

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

62,55

Varick's 1918 RELIABLE SEEDS



AMONG the many activities of the food committee of the Manchester Board of Commerce the past season was that of interesting the people of Manchester in the cultivation of gardens. From the statistics compiled by the committee it appears that there were 1287 garden plots cultivated on 65 acres of the City Farm property, besides 184 smaller lots for children on what was known as the City Farm annex. In addition there were 17 lots on Amory St., 80 lots on the Gordon Woodbury Farm, 8 lots on Morgan St., 1300 industrial corporation lots, 1000 backyard or vacant lot gardens, giving a grand total of 3876 gardens which came directly under the supervision of the committee and its paid inspectors.

The above photograph shows a section of the Garden Plots on the City Farm Property. The success achieved is attributed in no small part to the fact that a great majority of the gardens were planted with VARICK'S RELIABLE SEEDS.

JOHN B. VARICK COMPANY, Manchester, N. H.

The Terrible War in Europe

has burdened our great nation with grave responsibilities and the most important of all is the Production of Food Stuff, not only enough for our own personal needs, but sufficient surplus for the millions of hungry men, women and children of Europe. **It is up to America to feed the world.**

"This is a Bigger Problem than Making Ammunition"

"In fact" it is the Biggest problem confronting the the nation and the only possible solution is the **united effort** of every man, woman and child to **plant the coming spring** every available foot of ground to something in Vegetables! No matter how small the space, you can grow something even if only a few **onions, radish and lettuce**, and nearly every one of you with a little special effort **can grow all the fresh vegetables you need for summer use, and have plenty to can for winter besides.**

"How Much Relief Will My Little Back Yard Garden Be?"

JUST THINK—You and twenty million more heads of families in small back yard Vegetable Gardens will raise on an average **\$50.00 worth of vegetables each, or a Grand Total of One Billion Dollars in Food.** Naturally, with a fine large garden of Fresh Crisp Vegetables, you won't eat as much of the regular farm crops, such as Wheat, Oats, Meats, etc., therefore you are actually allowing your European neighbor as much of these cereals as you raise in Vegetables in your own garden. It's a case of helping yourself and the other fellow at the same time, and surely there is **pleasure, profit and happiness** for any man in such work.

You can't all carry a rifle and get behind the trenches, but you can get behind a hoe and do fully as much.

"DO THIS MUCH AND YOU'LL BE DOING YOUR BIT"

Now don't say, like the tired ones do sometimes: "That's the farmer's job, not mine." It is your patriotic duty to help all you can, for whether you believe in this war or not, you do believe, I am sure, that God intended at creation that every man, woman and child should have sufficient of the earth's fruits and vegetables to sustain life; but now many are actually hungry, and we ask: **"Will you do your part?"**

POST SERVICE: We will deliver free by mail all garden and flower seeds sold in packages, ounces and in quantities up to one pound, with the exception of Beans, Peas and Corn. Postage on pints of Beans and Peas 6 cents, quarts 7 cents. Postage on Corn in pints 5½ cents, quarts 6 cents.

REMITTANCES in stamps will be accepted, or send express money order, postoffice money order, bank draft or registered letter.

NAME AND ADDRESS SHOULD ALWAYS BE GIVEN. Frequently we receive unsigned letters. Sometimes they contain money and orders. Sometimes too, letters are received in which the name of the town is left out and the postmark is blurred. We cannot fill orders unless we know the name and address of the buyer. The easiest way for you is to use our order sheet filling in the blanks.

We are not bound for any definite time or quantity by these prices and they are subject to change without notice. We recommend that you order as early as possible.

NON-WARRANTY. Sometimes though not often our seeds do not come up after planting. This may be due to one or more of several reasons, such as covering too deeply or not deeply enough, too much or too little water, too cold weather or a baking sun which forms a crust too hard for the tender shoots to penetrate. Sometimes insects destroy plants at the surface before they are seen by the gardener. We cannot personally direct the use of our goods after they leave our hands; neither can we fully control anywhere or at any time the operation of natural law as it affects seeds; therefore, we give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any seeds or bulbs we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

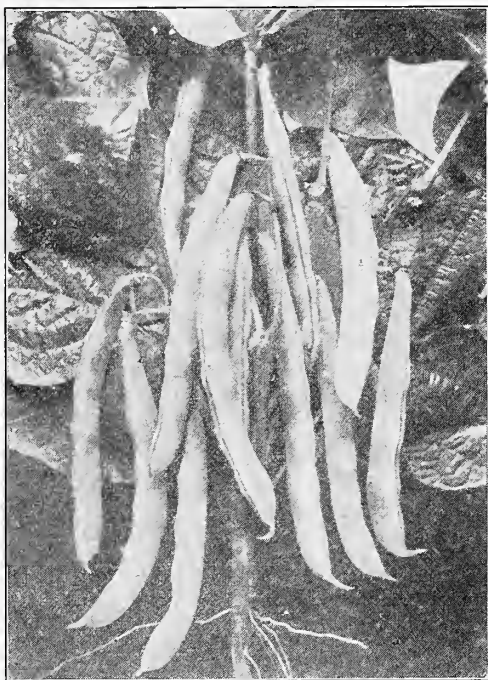
To those who have never purchased of us, there is absolutely no risk for you, as we guarantee that the goods shall satisfy you in every way, or we will refund your money as cheerfully as we received it. More people are buying from us today than ever before in the history of the house. We have been in business since 1845—**Always Improving, Always Growing, Always Giving Our Customers a Little More for Their Money, and STILL GOING STRONG.**

Respectfully yours,

JOHN B. VARICK CO., Manchester, N. H.

Bush Beans

One quart will plant about 100 feet of drill



Stringless Green Podded (Burpee's) Beans

Culture—About the first of May select a warm, dry, sheltered spot; dig and manure slightly; make drills two inches deep and eighteen inches to two feet apart; drop the beans three inches apart in the drills, and cover not more than two inches deep. Hoe well in dry weather to keep down the weeds. Sow every two weeks for a succession.

GREEN PODDED DWARF VARIETIES

Dwarf Horticultural—An improved type. The beans are larger, the pods longer and more highly colored than the old sort. $\frac{1}{2}$ pint 20c, pint 35c, quart 60c.

Stringless Green Podded (Burpee's)—Extra early, very prolific, quite stringless. $\frac{1}{2}$ pint 20c, pint 35c, quart 60c.

Low's Champion—Large, flat, green pod, stringless. $\frac{1}{2}$ pint 20c, pint 35c, quart 60c.

Arlington (Improved Godard)—A larger, late Dwarf Horticultural. $\frac{1}{2}$ pint 20c, pint 35c, quart 60c.

Long Yellow Six Weeks—Leading market sort. Flat pods. $\frac{1}{2}$ pint 20c, pint 35c, quart 60c.

Red Kidney—An excellent shell bean and for baking. $\frac{1}{2}$ pint 20c, pint 30c, quart 50c.

Burpee's Bush Lima—A genuine dwarf or Bush Lima Bean; yields immense number of pods and is a sure cropper. $\frac{1}{2}$ pint 20c, pint 35c, quart 65c.

Improved Yellow Eye—Excellent for baking. $\frac{1}{2}$ pint 20c, pint 30c, quart 50c.

DWARF WAX OR BUTTER VARIETIES

Black Wax. Currie's Rust Proof—Very early and productive. Free from blight and rust. $\frac{1}{2}$ pint 20c, pint 35c, quart 65c.

Black Wax. Improved Prolific—Round, thick pod; very early. $\frac{1}{2}$ pint 20c, pint 35c, quart 65c.

Hodson's Wax—Rustproof and great cropper, long cream yellow pods. $\frac{1}{2}$ pint 20c, pint 35c, quart 65c.

Improved Golden Wax—Rustproof, enormously productive, earliest, stringless, flat pod. $\frac{1}{2}$ pint 20c, pint 35c, quart 65c.

Wardwell's Kidney Wax—Extra early, long flat pods very fine. $\frac{1}{2}$ pint 20c, pint 35c, quart 65c.

Golden Eye Wax—Rustproof. Very hardy and prolific, pods flat. $\frac{1}{2}$ pint 20c, pint 35c, quart 65c.

Pole Beans

One quart to 100 hills

Culture—These require poles 8 to 10 feet long. The beans should be planted the middle of May if the season is suitable. Lima beans are apt to rot if planted too early. Set poles 4 feet apart each way, and plant four to six beans about one inch deep around each pole. Thin out to three plants to a pole, if the soil is rich; pinch of the ends of the plant when they overrun the top of the poles, to effect more perfect growth below. They succeed best in sandy loam, with a shovelful of rich, light and well-rotted compost to each hill, well incorporated. Lima beans for early use may be grown in frame and transplanted.

Horticultural or Speckled Cranberry—Of excellent quality; a great favorite. $\frac{1}{2}$ pint 20c, pint 35c, quart 65c.

Kentucky Wonder or Old Homestead—(sometimes called the "Snake Bean"). Pods green, very long; productive. $\frac{1}{2}$ pint 20c, pint 35c, quart 65c.

Large White Lima—Largely grown and highly esteemed. $\frac{1}{2}$ pint, 20c, pint, 35c, quart, 65c.

Scarlet Runner—A popular English pole bean; very ornamental. $\frac{1}{2}$ pint 20c, pint 35c, quart 65c.

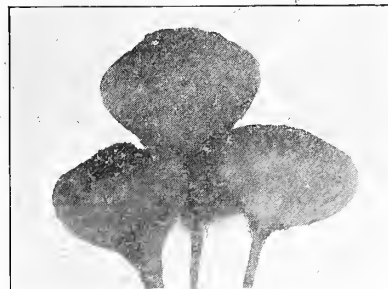
Worcester Pole—Very early, producing a great number and highly colored pods. $\frac{1}{2}$ pint 20c, pint 35c, quart 65c.

Kentucky Wonder Wax—Similar to green podded Kentucky Wonder. Very prolific, fine quality, pods long, broad, fleshy, stringless. $\frac{1}{2}$ pint 20c, pint 35c, quart 65c.

Table Beets

An ounce will sow about 50 feet of drill
Five or six pounds required for an acre

Culture—The beet thrives best in deep, rich, but light soil. Sow in drills about 15 inches apart and 1 inch deep. Make the soil firm over the seed. For early use, sow as soon as the ground can be worked; for fall use, in May; for winter, from the 20th of June to the middle of July, according to the variety. Thin plants to 4 or 5 inches apart. Give frequent shallow cultivation.



Crosby's Egyptian Blood Turnip Beets

Dewing's Improved Early Blood Turnip—A standard variety of excellent quality.

Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 70c, lb. \$2.25.

Crosby's Egyptian—The earliest beet in the market; deepest red in color; very desirable for a small beet for early market. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 70c, lb. \$2.25.

Extra Early Eclipse—Very early, round rooted and dark red. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 70c, lb. \$2.25.

Edmand's Early Blood Turnip—A market gardener's strain; of great regularity in shape; deep blood skin and very deep flesh of best quality.

Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 70c, lb. \$2.25.

Detroit Dark Red Blood Turnip—Quite round; skin very dark; flesh bright red; a grand beet for bunching for market. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 70c, lb. \$2.25.

Early Bassano—Early, flat, light. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 70c, lb. \$2.25.

SUGAR BEETS AND MANGLE-WURZELS

Large Red Norbitan Giant Mangel-Wurzel—A large, long variety grown for stock feeding. It stands up well above the surface; color, light red; flesh, white and rose colored. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$1.50.

Yellow Globe Mangel-Wurzels—Large and productive; keeps well. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 70c, lb. \$1.50.

Golden Tankard—It is one of the best stock beets grown. It has yellow flesh, a very distinct variety, being short with very little tap root and very easy to harvest. Top and neck very small; root ovoid, flesh yellow, zoned with white.

Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$1.50.

BEETS—Continued

White French Sugar Beet—Very hardy and productive, yielding about 20 tons to the acre.

Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$1.50.

Swiss Chard (See Kale Beet)—This kind of beet is grown exclusively for the numerous, fleshy, tender leaves and leaf stalks, which are superior to those of other beets for use as greens. Later in the season the wax-like leaf stems are cooked like asparagus or are pickled. This variety we offer has large, broad, undulated leaves of attractive yellowish green color, and very large, broad, white stalks and midribs or chards. It is well worthy of a place in the home garden as well as for market use. Swiss Chard is sometimes called Leaf Beet, Spinach Beet and Silver Beet. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

Cabbage

One ounce produces about 3,000 plants



Copenhagen Market Cabbage

Early Jersey Wakefield—Well known and most valuable for early. Pkt. 5c, oz. 40c, $\frac{1}{4}$ lb. \$1.50, lb. \$5.50.

Henderson's Early Summer—A few days later than the Wakefield, rather larger and more globe-shaped; much used by market gardeners; stands long in the head.

Pkt. 5c, oz. 40c, $\frac{1}{4}$ lb. \$1.50, lb. \$5.50.

Charleston Large Wakefield—About one week later than Early Jersey Wakefield, but the heads are fully one half larger; will not burst when ripe like most early sorts, and can be left standing in the field some time without damage.

Pkt. 5c, oz. 40c, $\frac{1}{4}$ lb. \$1.50, lb. \$5.50.

Early Winnigstadt—A standard second early variety.

Pkt. 5c, oz. 40c, $\frac{1}{4}$ lb. \$1.50, lb. \$5.50.

All Seasons—One of the best for second early or late, growing to a large size quickly and surely.

Pkt. 5c, oz. 40c, $\frac{1}{4}$ lb. \$1.50, lb. \$5.50.

Sure Head—A sure-heading, long-keeping variety; very similar to All Seasons. Our seed is from carefully grown, selected stock and is the best that can be obtained.

Pkt. 5c, oz. 40c, $\frac{1}{4}$ lb. \$1.50 lb. \$5.50.

American Drumhead Savoy—A superior sort for family use in winter and spring; of delicate flavor.

Pkt. 5c, oz. 40c, $\frac{1}{4}$ lb. 1.50, lb. \$5.50.

Premium Flat Dutch—A favorite winter variety for market.

Pkt. 5c, oz. 40c, $\frac{1}{4}$ lb. \$1.50, lb. \$5.50.

Red Rock (Henderson's Mammoth)—Largest and best red cabbage ever introduced.

Pkt. 5c, oz. 40c, $\frac{1}{4}$ lb. \$1.50, lb. \$5.50.

Warren Stone Mason—An improvement on the old type, rounder and solid. The best for main crop.

Pkt. 5c, oz. 40c, $\frac{1}{4}$ lb. \$1.50, lb. \$5.50.

Hollander or Danish Ball Head—An unsurpassed winter variety; heads round, large, very hard, tender and fine flavored.

Pkt. 5c, oz. 45c, $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

Copenhagen Market—Very fine, nearly as early as Wakefield, with large, round, solid heads.

Pkt. 5c, oz. 45c, $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

Culture—

The Cabbage is one of the most important vegetables and some of its varieties are universally cultivated. The ground must be highly manured, deeply dug or ploughed, and thoroughly worked to insure good full-sized heads. A heavy, moist and fresh loam is the most suitable. The early sorts should be sown very early in the spring, in hot beds, or later in the open ground. Eighteen inches by three feet is the common distance.

Carrot

An ounce will sow about 100 feet of drill; 3 lbs. to the acre



Culture—The Carrot thrives best in a light, sandy soil, free from stones, well enriched, and deeply and thoroughly worked. Make the top surface fine and smooth by raking. Sow in drills 14 inches apart and half an inch deep and thin plants to 3 or 4 inches apart. Sew from the middle of April to the middle of May.

Early Half Long**Scarlet Nantes**

—The tops of this early half long frame sort are very small and seed may be sown very thickly as the variety is well adapted for forcing. The roots are of medium size, slender, cylindrical, with remarkably small neck, handsome deep orange color, core less, tender throughout and of the best quality.

Danver's Half Long Carrot

They are usually four and one half to five inches in length, but sometimes grow considerably longer.

Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 85c, lb. \$2.50.

Guerande or Ox Heart—Roots four and one half to five inches long, tapering but little and ending abruptly in a small tap root, tender and sweet while young. Flesh, bright orange.

Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 85c, lb. \$2.50.

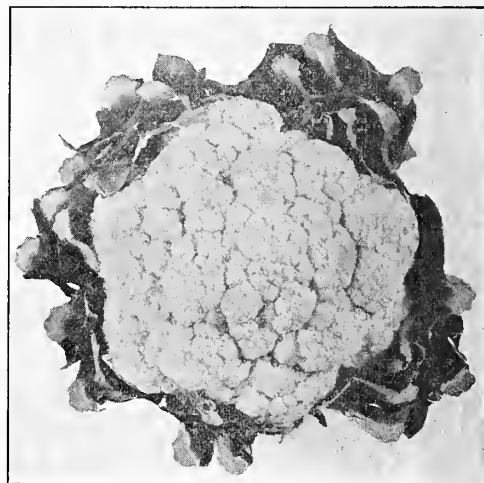
Danvers Half Long—The most desirable main crop variety; an excellent keeper. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 85c, lb. \$2.50.

Improved Long Orange—Of rich deep orange and fine quality; best for stock feeding.

Pkt. 5c, oz. 20, $\frac{1}{4}$ lb 75c, lb. \$2.00.

Cauliflower

An ounce will produce about 2,000 Plants

**Early Snowball Cauliflower**

Culture—In general, the Cauliflower requires about the same treatment as the cabbage; moist land is, however, more essential; and heavier manuring and more frequent cultivation aid to a greater extent the full development of the plant. In this climate the plant heads well only in the cool fall months. Seed should therefore be sown as for late cabbage, from the middle of May to middle of June, the late varieties, however, requiring a little more time than most late cabbage.

Early Snowball—The earliest and surest to head. Probably more largely used than all others combined. We offer an unsurpassed strain from one of the leading growers in Denmark.

Pkt. 10c, $\frac{1}{4}$ oz. \$1.75.

Celery

One ounce of Seed will produce about 3,000 Plants



Giant Pascal Celery

Culture—Sow the seed in a light, rich, dry border as early as the ground can be worked, in drills eight to ten inches apart, and cover the seeds about a quarter of an inch deep, rolling or treading them in if the ground be dry. The beds should be kept well weeded, and an occasional soaking with water in dry weather will do the plant good. The plants may be set in a single row in a narrow trench, or the trench may be made into a bed wide enough to hold two, three or four rows, and in this case the plants are in a compact form to be covered for the winter where they grow. The beds should be made very rich with thoroughly decomposed manure. The plants will need to be earthed up two or three times.

White Plume—The most popular as it is not necessary to bank up, as is the case with other Celeries. It is tender and of the very best flavor; also presents a very ornamental appearance on the table. **Pkt. 5c, oz. 30c, ¼ lb. \$1.25.**

Giant Pascal—A strong grower and wonderful keeper; quality very fine. **Pkt. 5c, oz. 30c, ¼ lb. \$1.25.**

Boston Market—The best and most popular sort in cultivation; dwarf branching habit; solid; crisp. **Pkt. 5c, oz. 30c, ¼ lb. \$1.25.**

Golden Self Blanching—Best French Imported. A new dwarf variety of great merit; of quick growth and very early; beautiful golden yellow; solid and of excellent flavor. **Pkt. 10c, oz. \$1.50, ¼ lb. \$4.50**

Small Fruits

Every home garden should carry its small fruits for the family. Among these may be included currants, gooseberry, raspberries and strawberries.

Set currants four feet apart in the row, the rows five feet. Gooseberries the same. Raspberries in rows five feet apart, two feet in row. Strawberries in rows four feet apart, 18 inches in row. Set in early May, mulch in July to save roots. Rely on northern grown seed and plants. Keep the land well stirred, and spray in early part of season to protect from insect pests.

Everything depends upon what we as "Soldiers of the Soil" produce this season.

Sweet Corn

One quart to 200 hills; 10 quarts to an acre

Culture—The sweet or sugar varieties being liable to rot in cold wet ground, should not be planted before the middle of May, and for a succession continue planting every two weeks until July, in rich, well manured ground, in hills three feet apart each way, covering about an inch and thin out to three plants to a hill or plant in rows four feet apart, and to stand eight inches apart in the rows.

Golden Bantam—Is more firmly fixed in popular favor because of its extreme early character, vigorous growth and surpassing, delicious flavor. The stalks are dwarf and sturdy in habit, growing to a height of four feet. They bear 3 to 5 good ears five to seven inches in length, have eight rows of broad, yellow grains, extending to the extreme tip. Market gardeners find Golden Bantam their most profitable variety throughout the season (from successive plantings). It is as distinct in flavor from that of white varieties as in color—being almost literally "sweet as honey."

½ pt. 20c, pt. 35c, qt. 60c, pk. \$4.50.

Improved Early Orange—A most desirable extra-early variety, growing vigorously from six to seven feet in height, and producing an average of two good ears to a stalk. The ears are ready for use five days to a week earlier than those of the Golden Bantam and are from six to seven inches in length, with twelve to fourteen rows of deep rather slender grains of a light canary-yellow. It is fully equal in surpassingly delicious flavor to our Golden Bantam. Of strong growth, the larger ears are well filled and the grains are exceptionally sweet and full of milk. The grains remain soft and tender for a longer period than those of any other extra-early sweet corn.

½ pt. 20c, pt. 35c, qt. 60c, pk. \$4.50.

Red Cory—This popular extra early variety succeeds well where the summer is short, cool and moist. Ears six inches in length, with eight rows of quite broad grains. The cob is red. **½ pt. 20c, pt. 35c, qt. 60c, pk. \$4.00.**

White Cob Corey—This is usually as early as the Red Cob Corey, but is rather less hardy. The grains retain their pearly whiteness when cooked. **½ pt. 20c, pt. 35c, qt. 60c, pk. \$4.00.**

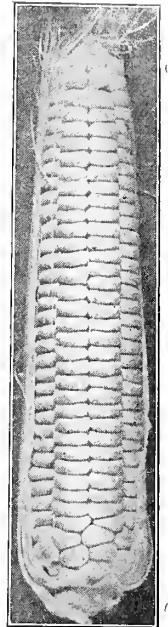
Crosby's Early—For medium early use and general crop this is one of the most desirable varieties. Ears are of medium size and the cooking qualities excellent. A good cropper and profitable for family use and as a market sort. **½ pt. 20c, pt. 35c, qt. 60c, pk. \$4.00.**

Moore's Concord—Medium early; large ears of unsurpassed quality. **½ pt. 20c, pt. 35c, qt. 60c, pk. \$4.00.**

Country Gentleman—This variety has a small, white cob, densely covered with irregular rows of very long slender, white grains of excellent quality. The ears are seven to nine inches long. The stalks are from six and one-half to seven feet high. It is well adapted for the home garden and market, and many consider it as the best of the later varieties. **½ pt. 20c, pt. 35c, qt. 60c, pk. \$4.25.**

Potter's Excelsior—Fine large ears and deep grain; one of the sweetest varieties. **½ pt. 25c, pt. 35c, qt. 60c, pk. \$4.00.**

Black Mexican—This corn, when very young, cooks remarkably white, but the ripe grain is bluish black. For home use we consider it the best second early sort where tenderness and sweetness are the qualities most desired. It does especially well as a second early variety in the south. The stalks are about six and one-half feet high. The ears are about eight inches long and are usually eight rowed. **½ pt. 20c, pt. 35c, qt. 60c, pk. \$4.25.**



Golden Bantam Sweet Corn

CORN—Continued

Stowell's Evergreen—This has long been the leading main-crop variety for home use, market and canning. Our stock is carefully selected and can be depended upon to produce fine large ears of superior quality. The grains, of good size are long and slender—entirely free from glaze or flintiness. $\frac{1}{2}$ pt. 20c, pt. 35c, qt. 60c, pk. \$4.00.

IMPORTANT NOTICE

To have the finest sweet corn, it must be picked in just the right condition, that is, when the skin of the grain breaks, at the slightest puncture, and plantings should be made frequently enough always to have a supply at this stage. The quality will be inferior if it is either a few days too old or too young.

Seed Corn

Never before in the world's history was there such an actual shortage of good seed corn. All over the entire corn belt, as far south as Texas, west to the Rocky Mountains, east to the coast, and north to the Canadian border, this year's corn crop, while apparently a bumper yield, was so backward and late that the cold rains, snow and hard freezing weather of October makes it absolutely worthless for seed unless picked prior to frost, and even then with fairly matured ears that were picked prior to frost, and properly dried there is a large percentage that will never grow. We tell you this will be a Serious Calamity unless farmers get busy at once and secure their seed before it is too late. Positively we question if there is enough good seed corn to go around and unless farmers secure their supply at once it won't be obtainable at Planting Time.

FIELD AND ENSILAGE CORN

Early Eight-rowed Canada—An extra early flint corn, grown extensively in the North. The stalks, which average, $7\frac{1}{2}$ feet in height, are very leafy and often bear two or three ears which are 10 to 15 inches long, very compact and of a rich golden yellow color, blazed with red toward the tip end.

Longfellow—Very largely grown in New England; is eight-rowed, yellow kernel and good size. Cut is quite small and ears are from ten to fifteen inches long.

Leaming—An early, very productive variety. One of the best for ensilage; profitable as a green fodder.

Early Sanford—Very early; ears white; excellent for fodder and ensilage.

Evergreen Sweet Fodder—Sweet corn for ensilage

Red Cob Ensilage—A pure white corn; is tender and juicy has short joints, and grows to a great height, with an abundance of leaves.

Eureka—For ensilage this is one of the best; white kernel; grows from twelve to fifteen feet in height; makes a great amount of foliage.

PRICES ON APPLICATION

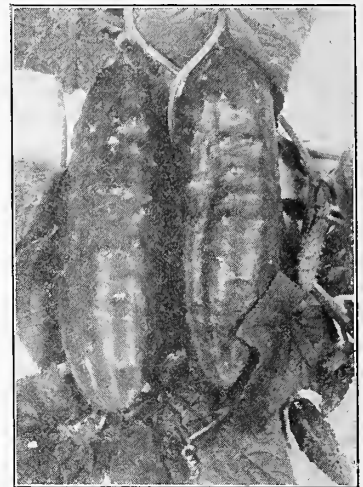
Be a Real Producer; Help Reduce the HIGH COST OF LIVING

Did you ever in your whole life raise anything out of the ground? Have you ever planted a seed, tree or bush, watered it, tended it up through infancy to full growth and finally sat down to enjoy its fragrance and beauty or to eat its fruit? If not, you haven't had a fair chance and you missed the greatest pleasure God gave to man.

Cucumber

One ounce will plant about 50 hills

Culture—The first planting should be made early in May on partly spent hot-beds; inverted sods form an excellent medium for both planting on and carrying the young plants to their permanent location, or small paper pots can be used. Such plantings are usually ready for transplanting to the open ground in from three to four weeks, and are seldom troubled with the striped bug. Transplanting, when practical, should be done in the evening, in to hills four feet apart each way. Thin out to about four plants to a hill when established. The seed may be planted in hills late in May, thus giving a succession. For pickles, plant during the last two weeks of June. Plaster dust or an infusion of hellebore powder in water will destroy the striped bug.



Davis Perfect Cucumber

Early Cluster—Fruit small and in clusters; very prolific.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.25.

Early Russian—Very early; short; is a valuable variety for for small pickles. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.25.

Improved Early White Spine—Well flavored and of medium size. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.25.

Davis Perfect—A new variety; said to be the best variety for growing out of doors ever produced.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.25.

Boston Pickling—Produces an abundant crop of dark green fruit. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.25.

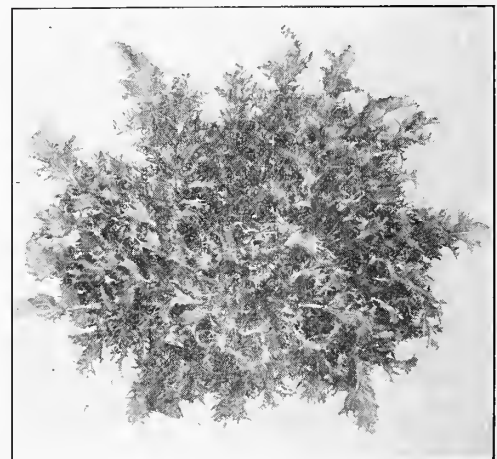
Long Green Improved—Late, long, tender and of excellent flavor. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.25.

Japanese Climbing—Can be trained on a trellis or on poles. The flesh is pure and crisp.

Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$1.50.

Endive

One ounce of seed to 150 feet of row



Green Curled Endive

Green Curled—Very hardy; leaves dark green, tender and crisp. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 90c, lb. \$2.50.

Giant Fringed or Oyster 45 Days—A desirable salad when blanched. Popular as a garnish.

Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 90c, lb. \$2.50.

Egg Plant

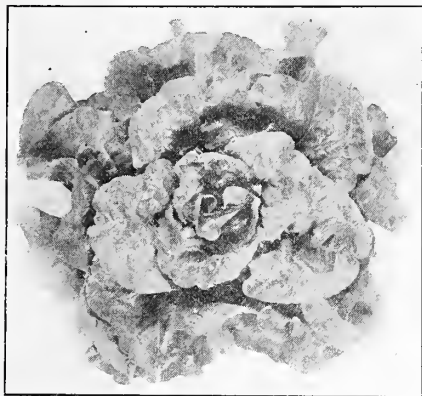
One ounce will produce about 1,000 plants

Culture—Sow in hot-bed early in spring and transplant when about two inches high into another bed or small pots. Plant out three feet apart when weather is perfectly settled and warm. Keep the plants watered for a few days after transplanting until they begin to show signs of being established.

Early Long Purple—Of distinct shape and fine quality for table. Pkt. 5c, oz. 50c, $\frac{1}{4}$ lb. \$1.50.

Lettuce

One ounce will produce about 3,000 plants



May King Lettuce

Big Boston—Fine for forcing in cold frames, and for planting in the open ground.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Hanson—Heads, very large, solid, tender, crisp and of fine flavor; color beautiful green outside and white within.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Tennisball, Black-seeded—Popular for open-air culture; heads compact, crisp and tender.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Tennisball, White-seeded—A good early sort, used largely for forcing.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Early Curled Simpson, Black-Seeded—Very tender leaves; excellent quality; continues a long time in condition for use.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Early Curled Simpson, White-Seeded—Heads large very tender; excellent for first crop.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Early Prize Head—Early, hardy, and of fine flavor; leaves tinged with red. Sometimes called "Beefsteak Lettuce".

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Boston Curled—Of ordinary quality, but of great beauty; highly ornamental, frilled leaves.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

May King—A very early and extra fine heading cabbage lettuce for spring and fall use in the open garden.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

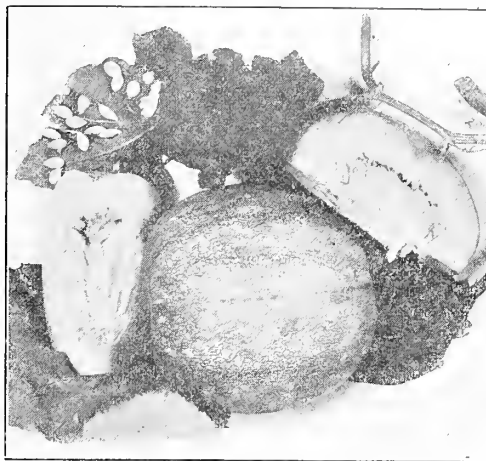
White Paris Cos, Romaine—A sort with long, narrow, upright leaves; does not head but when tied up blanches very easily.

Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

Don't waste Seed—it is already scarce and it is growing scarcer as the days go by, for already thousands of the world's best seed growers have laid down their lives for Liberty.

Musk Melon or Canteloupe

One ounce will plant about 50 hills; 2 to 3 lbs. in hills per acre



Emerald Gem Musk Melon

Culture—After danger of frost is past, the ground being warm and in good condition, plant in rich soil, preferably sandy loam, in hills about four to six feet apart according to the vigor of the variety. Put ten or twelve seeds in a hill, covering with about an inch of fine soil firmly pressed down. When the plants begin to crowd and the striped beetles are pretty well gone, thin to four of the most vigorous plants in a hill. Give frequent but shallow cultivation, until the plants make runners so long that this is impractical. Rich earth for young plants is far better than manure, but if the latter must be used, see that it is well rotted and thoroughly mixed with the soil.

Emerald Gem—Small, extra early; smooth ribbed, dark green skin, orange flesh.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Extra Early Hackensack—Large round and of good quality; green flesh.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Rocky Ford or Improved Netted Gem—Oval; one of the best; early; green flesh.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Long Yellow Canteloupe—Yellow flesh; well adapted for the North.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Miller's Cream—Osage type; thick, salmon-colored flesh.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Watermelon

An ounce will plant about 30 hills; 4 to 5 pounds are required for an acre

Culture—The Watermelon succeeds best in warm, rich soil. Plant when all danger of frost is past, in broad hills about six feet apart; 10 or more seeds to each hill. Cover with one inch of soil and firm well with hoe. If young plants are attacked by insects, dust them with air-slaked lime or ashes mixed with twice as much road dust. Use this frequently but sparingly, as a large quantity at one time is liable to injure the plants. When all danger from insects is past, thin to three plants to the hill, Spray with Pyrox.

Vick's Early—Early, medium size, oblong form, pink flesh.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Cole's Early—Very early; long, smooth, with bright pink flesh; fine flavor.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Phinney's Early—Early and of fine quality; red flesh.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Kolb's Gem—Large; bright red flesh of fine quality, and a good shipper.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Mountain Sweet—An old and reliable sort; red flesh.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Citron Melon—Excellent for making preserves.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Good Melon Seed like good shoes are cheaper in the long run. We offer only one quality, the best mother earth produces.

Onion

One ounce will sow 100 feet of drill; 5 or 6 pounds per acre



Yellow Globe Danvers Onion

Culture—For sets, sow the seeds as early as possible in the spring, very thickly in drills. As soon as the tops die off in summer, remove them to a dry, airy place, and early in the following spring replant by placing the sets in shallow drills twelve inches apart and about four inches apart in the drills. The onions obtained by this process are of a large size early in the season. They may also be grown to full size during the first season by sowing thinly in drills one foot apart, and about one fourth inch deep, in March or early in April, in strong land, well manured, and thinning them out to stand three or four inches apart in the drills. They delight in a strong, rich, deep, loamy soil, and succeed well if grown successive years on the same ground. By sowing onion seeds in frames in February or March and transplanting in April, onions of immense size can be obtained. For this purpose the varieties Southport Globe (white, yellow or red) and Prizetaker are usually preferred.

Early Large Red Weathersfield—The best for a general crop; flat in shape.

Pkt. 5c, oz. 40c, $\frac{1}{4}$ lb. \$1.15, lb. \$4.00.

Yellow Globe Danvers—An early round variety; very small neck; large yielder and good keeper; mild in flavor and uniform in size. Pkt. 5c, oz. 60c, $\frac{1}{4}$ lb. \$1.75, lb. \$5.75.

Southport Red Globe—Handsome and distinct; very large. Pkt. 5c, oz. 60c, $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

Prizetaker—Large, pale yellow; mild and delicate in flavor. Pkt. 5c, oz. 60c, $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

White Portugal or American Silver Skin—Splendid when young as a salad onion and for pickles. Early; mild flavored and excellent for first crop.

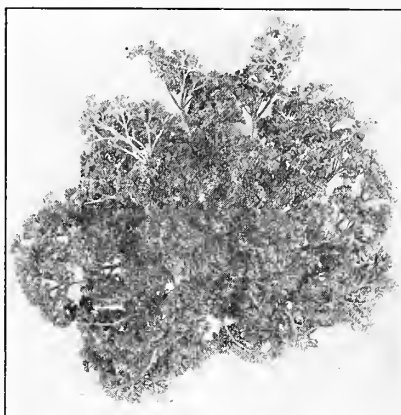
Pkt. 5c, oz. 60c, $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

There's a *big difference* in *Onion Seed* and you can't detect it until your crop is made. All our seed is positively new crop, all thoroughly re-cleaned and germinates strong and vigorous. All grown from carefully hand-selected bulbs. You can't Buy Better Onion Seed at any Price and if you pay less than we ask you get less. A few cents saved on your seed bill may mean a \$100.00 loss on your crop.

THE demand for food the world over is far greater than ever before—the millions upon millions of our Soldiers, Sailors, Ammunition Workers both Men and Women have to be fed. Millions of our best young men have been taken from our Farms and Ranches, it is therefore up to us who remain at home to do double duty and do it quick or our cause is lost through starvation.

Parsley

One ounce to 100 feet of drill



Champion Moss Curled Parsley

Champion Moss Curled—An English variety very fine; mossy, curled. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Double Curled—Fine dwarf; crimp leaves. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Culture—Parsley seed germinates very slowly, taking two to four weeks to come up; hence, if wanted early, no time should be lost by delaying the sowing. Make the rows 12 to 14 inches apart. Thin to 3 or 4 inches apart, or transplant at this distance. Can be sown in hotbeds in February, or later in the open ground. Late in autumn, place glass frames over some of the plants to lengthen out the season of cutting. For garnishing purposes nothing equals parsley; it is also used in salads, soups, etc. Any good soil is suitable for growing this plant.

Parsnip

One ounce to 150 feet of drill



Culture—Sow thick in April in rows eighteen inches apart and one inch deep, in rich, deep soil, well manured the previous fall, or with fine manure early in March. When the plants are two or three inches high, thin out to five or six inches apart in the rows. Unlike carrots, they are improved by frost, and it is usual to take up in the fall a sufficient quantity for winter use, leaving the rest in the ground until spring to be dug up as required.

Hollow Crown—One of the best grown for the table or stock.

Pkt. 5c, oz. 40c, $\frac{1}{4}$ lb. \$1.40, lb. \$4.50.

Long Smooth White

The variety most in use; straight, smooth and handsome.

Pkt. 5c, oz. 40c, $\frac{1}{4}$ lb. \$1.40, lb. \$4.50.

Hollow Crown Parsnip

Pepper

One ounce will produce 1,000 plants

Culture—Sow in hotbeds in March, and when the soil has become warm set in rows two feet apart and eighteen inches in the rows; hoe frequently and keep down all weeds. The plants may also be forwarded in small pots.

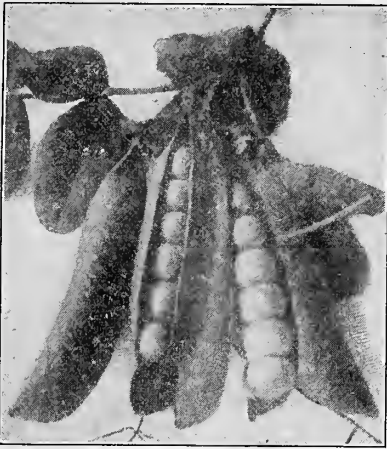
Squash—The best pickling Pepper; tomato shaped; medium size, thick skin. Pkt. 5c, oz. 60c, $\frac{1}{4}$ lb. \$2.00.

Large Bell or Bull Nose—Nearly four inches long and three in diameter, very fine. Pkt. 5c, oz. 60c, $\frac{1}{4}$ lb. \$2.00.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Garden Peas

A quart will plant about 75 feet of drill; 2 or 3 bushels to the acre



Sutton's Excelsior

EXTRA EARLY DWARF VARIETIES

American Wonder—A well known and popular variety of very dwarf habit; the earliest of the dwarf varieties. Height about 12 inches. $\frac{1}{2}$ pt. 20c, pt. 35c, qt. 60c, pk. \$4.50.

Nott's Excelsior—The most popular of the dwarf varieties. Vine larger and more productive than the American Wonder and bears earlier than Premium Gem. Grows about 12 inches high. $\frac{1}{2}$ pt. 20c, pt. 35c, qt. 60c, pk. \$4.50.

Premium Gem—This has been for many years the standard dwarf wrinkled peas for the family, and are also popular with market gardeners. It only grows 12 to 15 inches high and requires no support. It is an improvement on the McLean's Little Gem, being much more prolific than that variety. Pods large, dark green and quality of the peas is superior to most sorts. $\frac{1}{2}$ pt. 20c, pt. 35c, qt. 60c, pk. \$4.50.

Little Marvel A strong vine about 15 inches high, bearing tremendous crops of fair size pods, frequently borne in pairs. Pods $2\frac{1}{2}$ to 3 inches long, containing six to seven large, deep green peas. As early as American Wonder, more productive, and will be preferred by gardeners generally because of extra quality.—Crop very short.

Sutton's Excelsior—An early, wrinkled pea, one of the largest podded of the dwarf varieties. It is also one of the most vigorous in growth of vine and is unsurpassed in quality. The pods mature very early as early as those of Nott's Excelsior, but are broader and with the foliage distinctly lighter green. $\frac{1}{2}$ pt. 20c, pt. 35c, qt. 60c, pk. \$4.50.

EXTRA EARLY VARIETIES OF TALLER GROWTH

Alaska or Earliest of All—Very popular with market gardeners, due to its uniformity in ripening. Nearly the whole crop can be gathered at one picking. Vine about $2\frac{1}{2}$ feet high; bears abundantly pods which, though small, are always well filled. $\frac{1}{2}$ pt. 20c, pt. 30c, qt. 55c, pk. \$4.00;

Gradus or Prosperity—Without a rival for table quality. An Extra Early Wrinkled Pea, hardy, early and very prolific. This remarkable Pea has been on the market 10 years, and has grown in favor until it is the most widely known variety in cultivation. The secret is that it produces a telephone pod as early as Alaska. Then, too, its quality is of the highest order—fully equal to the finest late marrow grown. The vine is of vigorous growth, about 30 inches in height. The pods are large and fine and most luscious quality. For the home garden it is perfectly adapted. It is the most profitable on account of the earliness combined with size of pod.

$\frac{1}{2}$ pt. 20c, pt. 35c, qt. 60c, pk. \$4.50.

Culture—Though light, warm soil is desirable for the extra early varieties. Peas generally succeed better on that which is moderately heavy. The early smooth Peas are very hardy and may be planted as soon as frost is out of the ground, and are sometimes planted in the fall. The wrinkled varieties are somewhat more tender and seed is more liable to rot if planted as early. Plant the early and dwarf varieties in drills $2\frac{1}{2}$ feet apart and 3 or 4 inches deep, but cover with but one inch of soil and fill trench gradually as plants grow. Plant the taller and later varieties in rows 3 to 4 feet apart and 5 to 6 inches deep, covering as already suggested.

Thomas Laxton—Vine of about the same height as the Gradus, of similar habits but much darker, harder and more productive. More attractive and better filled with peas as large and equal in quality. Height 3 feet.

$\frac{1}{2}$ pt. 20c, pt. 35c, qt. 60c, pk. \$4.50.

Early Morn—The best money pea known. It is earlier than the Thomas Laxton or Gradus. The three (3) splendid traits of this pea are (1) pods and peas are very large (2) it is a great cropper (3) it is the earliest large wrinkled pea in cultivation. Grows 3 to $3\frac{1}{2}$ feet high. Crop very short.

First and Best—The earliest and most even strain of white early peas in existence. Height $2\frac{1}{2}$ feet.

$\frac{1}{2}$ pt. 20c, pt. 35c, qt. 60c, pk. \$4.50.

Maud S—A very early white pea. The favorite market garden sort. Height about $2\frac{1}{2}$ feet. Crop very short.

SECOND-EARLY MEDIUM AND LATE VARIETIES

Advancer—An old popular second-early sort. Vine about $2\frac{1}{2}$ feet high, vigorous and productive. Pods of medium size, broad, well-filled. Peas rather under medium size but of finest quality. $\frac{1}{2}$ pt. 20c, pt. 35c, qt. 60c, pk. \$4.00.

Yorkshire Hero—Vine 26 to 30 inches, stout and branching, hardy and productive. Pods 3 to $3\frac{1}{4}$ inches long, broad, well-filled with peas of largest size, mealy and of the richest flavor. $\frac{1}{2}$ pt. 20c, pt. 35c, qt. 60c, pk. 4.50.

Dwarf Champion—A new variety, claimed to be equal in quality to Champion of England. Both peas and pod are considerably larger and vine is only about 2 feet high.

$\frac{1}{2}$ pt. 20c, pt. 35c, qt. 60c, pk. \$4.50.

Everbearing—Fine for main crop. Grows about 2 feet high, strong and vigorous, branches in a peculiar manner and needs no support.—Continues to grow and bear all season if picked. Pods and peas of large size and fine quality.

$\frac{1}{2}$ pt. 20c, pt. 35c, qt. 60c, pk. \$4.50.

Improved Strategem—The most popular late variety for market or family use. It is preferred because of the immense size of pods and peas and the exceptional sweetness and tenderness of the peas when ready to use. Does not grow very tall, being really a half dwarf sort two or three feet high, and does not require support, though it will repay for the labor of training up with greater yield and longer bearing season. It is a vigorous grower of branching habit, and under favorable conditions an enormous cropper. Pods are large, long, and filled with seven to nine large peas of superior quality. $\frac{1}{2}$ pt. 20c, pt. 35c, qt. 60c, pk. \$4.50.

Champion of England—It grows 4 to 5 feet high and requires support, but fine quality and large crop production more than repays any extra labor required. A strong, vigorous grower and continues to bear for a long time.

$\frac{1}{2}$ pt. 20c, pt. 35c, qt. 60c, pk. \$4.75.

Telephone Immensely productive, finest quality, an excellent sugary flavor; vines very strong growing, about 4 feet high and should be supported. Pods large with 6 or 7 large delicious peas. $\frac{1}{2}$ pt. 20c, pt. 35c, qt. 60c, pk. \$4.75.

Black-eyed Marrowfat—An old-fashioned rugged variety, bears a heavy crop. Height 5 feet.

$\frac{1}{2}$ pt. 20c, pt. 30c, qt. 50c, pk. \$3.50.

White Marrowfat—Hardy and productive. Height 5 feet.

$\frac{1}{2}$ pt. 20c, pt. 30c, qt. 50c, pk. \$3.50.

CANADA FIELD PEAS

Canada or White Field—Unsurpassed as a green feed for milch cows. Sow with oats or barnyard millet, broadcast, two bushel peas and two bushels oats per acre or two quarts barnyard millet. Qt. 35c, pk. \$2.50.

NOTICE—Our Seed Peas are grown on Northern Michigan Seed Farms, bordering on Lake Superior, insuring the hardest types and highest quality obtainable.

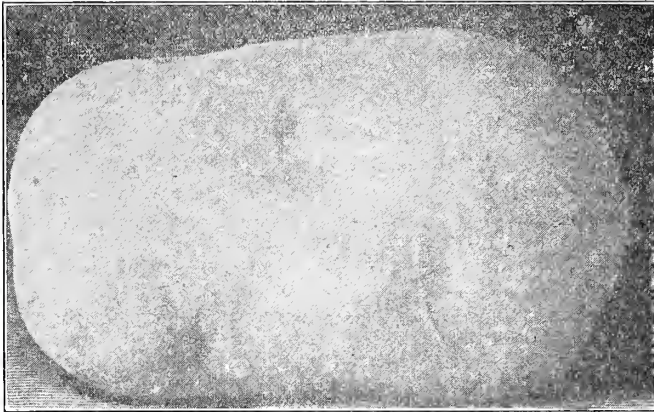
FRESH Peas from your own garden are far better than any sold in cans. Plant two or three rows of our northern grown peas this spring and enjoy them all summer long.

Potatoes

(Prices subject to market changes)

10 to 12 bushels, or about 4 barrels sufficient for one acre
One peck will plant 75 hills

"All our seed stock is grown, in Aroostook Co., Me."



Green Mountain Potato

Culture—A deep, mellow loam, rich in humus, furnishes ideal conditions for growing Potatoes, but good crops are raised on both heavier and lighter types of soil. Early varieties may be planted as soon as the ground can be prepared. Cut the tubers into pieces the size of hen's eggs; drop a piece of seed every 15 inches in furrows 3 feet apart, and cover to a depth of 3 or 4 inches. Cultivate at intervals of a week or ten days, gradually throwing earth up around the stalks after the plants are 4 inches high. For potatoes, fertilizers are unquestionably better than barnyard manure. We furnish only Aroostook Grown Potatoes from hill selected seed stock, carefully inspected during growing season, sorted and graded to size.

Beauty of Hebron—A standard sort; pure white skin and flesh; an excellent cropper.

Early Rose—Our stock of this standard variety is especially good.

Green Mountain—A second early of superior quality; a large yielder and good keeper.

Norcross—A magnificent late variety; flesh pure white; exceptionally fine quality.

Gold Coin—Splendid late variety; white flesh; good size; small eye.

Prices on application

Pumpkin

One quart will plant 300 hills

Culture—May be planted middle of Spring among Indian Corn or in field or garden, in hills 8 to 10 feet apart each way, 4 seeds in a hill; in other respects are cultivated in same manner as Melons and Cucumbers; avoid planting near other vines. 2 pounds to acre.

Connecticut Field—The common large yellow Pumpkin; excellent for stock. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

Sugar or Sweet—Excellent for baking and for pies. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

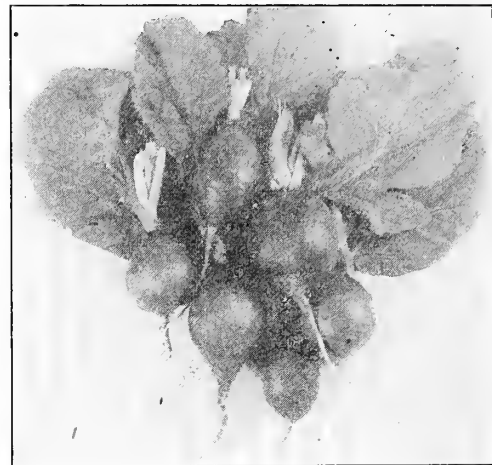
WE aim to help you help your neighbor, get plenty of good things to eat and make this old world a Better Place to Live In. If you and I do this "little bit" I'm sure we'll all be happier and live longer.

Yours very sincerely,
JOHN B. VARICK CO.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Radish

An ounce will sow 100 feet of drill



Early Scarlet Globe Radish

Culture Sow as soon as the ground is dry in the spring, in rows 8 to 12 inches apart, every week or 10 days for succession, up to the middle of June, after which they are little used, unless a cool northern spot can be found where the ground is shaded during part of the day. They should be sown in light, rich soil, as a crisp Radish cannot be produced in heavy soils. Sow also in early fall for late crops and winter use. Sow 8 to 12 pounds to the acre. Radishes should be eaten when quite small; it is a mistake to let them grow too long and too large. This applies particularly to small turnip-shaped sorts.

Early Scarlet Turnip—A small, round variety, with small tops; quick grower. Popular for forcing and outdoors. Deep scarlet. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.25.

Early Scarlet Turnip, White-Tipped—Root nearly round, slightly flattened at bottom, bright scarlet with tip of clear white, early and attractive; suitable for forcing and outside planting. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.25.

Scarlet Globe—Root globular, or slightly olive-shaped. Brilliant red, which it holds long after pulling. Though top is somewhat larger than that of some forcing varieties, it is more largely used for forcing than any other because less liable to be pithy, and is also for this reason the popular variety with market-gardeners for outdoor planting. We offer a proved and unsurpassed stock.

Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.25.

French Breakfast—A stump-rooted radish, about 3 inches long. Bright scarlet, tipped white. An old favorite for home garden. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.25.

Early Long Scarlet, Short-Top—Once the most popular radish, but has been largely displaced by the round varieties. Six to 8 inches long, ready to pull in twenty-five to thirty days from sowing.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.75.

White Icicle—The best long white radish. Very early, with long, slender, pure white roots. The roots grow about 4 inches long are of a transparent whiteness, brittle, crisp and of mild flavor; tops very small. They will keep crisp and fresh for a long time. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.25.

Long Black Spanish Winter—One of the hardiest and best for winter use.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.75.

Round Black Spanish—White flesh with black skin.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.75.

White Strasburg—The German favorite.

Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Plant only carefully saved and accurately tested seeds—so much depends upon this.

Squash

An ounce of small seeded varieties will plant 30 to 40 hills; of the larger seeded varieties, 12 to 15 hills



Improved Green Hubbard Squash

Culture—The Squash is very tender and should not be planted until all danger of frost and cold nights are passed. It thrives best in warm soil, which can hardly be made too rich; manure should be worked well into the soil over the entire area, and hills should have a liberal quantity of that which is well rotted. To avoid borers, it is more or less the custom to plant as late as possible and is often done as late as the middle of June. In such case, an application of commercial fertilizer or nitrate of soda greatly hastens the first growth. The early bush varieties are generally planted in hills about 5 feet apart and the running varieties about 10. Thin to three plants to the hill.

Bush varieties, one ounce to 40 hills.

Running varieties, one ounce to 20 hills.

Two to four pounds per acre.

Mammoth White Bush Scallop Standard summer variety; good for home or market.

Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75.

Early Summer Crookneck—Yellow fruit, large and good.

Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.50.

American Turban—Orange yellow flesh; dry, rich and sweet.

Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.85.

Essex Hybrid—A hard-shell turban; fine for winter.

Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.85.

Boston Marrow—Follows the summer sorts in season; a good fall and winter sort.

Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.50.

Green Hubbard—A standard winter sort;

Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.85.

Golden Hubbard—Similar to the old-fashioned Hubbard in size and form. Skin rich deep yellow.

Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.50.

Delicious—One of the best winter varieties. Color almost uniform, of a green shade, with occasionally a blue specimen.

Pkt. 5c, oz. 20c, ¼ lb. 70c, lb. \$2.00.

Warted Hubbard—A superior strain of mammoth size and entirely covered with warty excrescences. Rich dark green.

Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.85.

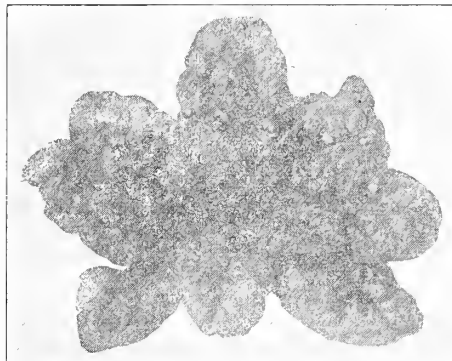
THIS year above all, everybody should plant something if it's only 5 cents worth of radish. There should be no vacant lots unplanted, no back yard gardens neglected, for peoples of the entire world are looking to us for food to sustain life while they sweat in the blood of war. The extreme high prices today are brought about not so much by monopoly as by supply and demand. **Consumption** is greater than **production**, so if you only have a yard 10 feet square plant it all summer long and you will reap at least \$25 profit and \$100 worth of pleasure.

Spinach

One ounce will sow 50 feet of drill; 12 pounds to the acre

Culture

Spinach is cultivated very extensively for spring and winter "greens". A profitable crop for market. Select a rich, well drained soil, highly manured. For a succession the seed may be sown early in April and again in May, in drills one inch deep, properly thinning out when plants are an inch in the leaf. For the principal crop sow from first to middle of September, on



Round Thick Leaved Spinach

ground from which a summer crop has been taken, protecting the crop with a light covering of straw or leaves. In the South no covering is necessary.

Round or Summer—A sort adapted for early spring sowing; leaves are thick, large.

Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.25.

New Zealand—A distinct, spreading plant that produces an abundant supply of greens all summer.

Pkt. 5c, oz. 20c, ¼ lb. 70c, lb. \$2.75.

Long Standing—Large thick leaves; best for spring sowing

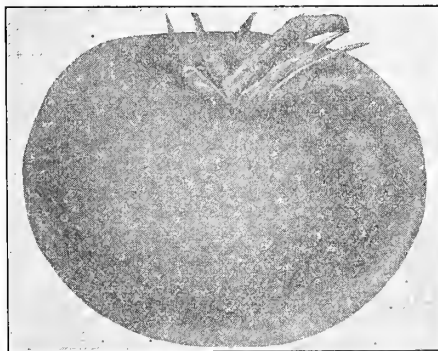
Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.25.

Tomato

One ounce will produce about 2,000 plants

Culture

This vegetable is one of the most important of all garden products. They thrive best in a warm, light rich soil. For early plants, sow about the first week in March in a hotbed, or in boxes or pots in a warm window. When the plants are about two inches high, set out in boxes, three inches deep and four inches apart in the same temperature, or pot singly. If again transplanted be-



fore setting out, the plants will be still more stocky. Set out in the open ground about the first of June, four feet apart each way, using a shovelful of rotted manure in each hill.

Earliana—The earliest large tomato. Its large size, handsome shape, beautiful red color and fine quality are unsurpassed by any of the best early and medium sorts.

Pkt. 5c, ½ oz. 25c, oz. 40c, ¼ lb. \$1.25.

New Stone—Very smooth, solid, thick flesh; bright scarlet.

Pkt. 5c, ½ oz. 25c, oz. 40c, ¼ lb. \$1.25.

Dwarf Champion—Dwarf and strong habit of growth; very solid and of extra quality.

Pkt. 5c, ½ oz. 25c, oz. 40c, ¼ lb. \$1.25.

June Pink—This is a new variety, similar in habit to the Earliana, differing only in color, which is pink instead of red.

Pkt. 5c, ½ oz. 25c, oz. 40c, ¼ lb. \$1.25.

Ponderosa—Bright crimson, very large and solid.

Pkt. 5c, ½ oz. 30c, oz. 50c, ¼ lb. \$1.75.

Chalk's Early Jewel—Bright red, extra early; fine flavor and very productive.

Pkt. 5c, ½ oz. 25c, oz. 40c, ¼ lb. \$1.25.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Turnip

One ounce to 150 feet of drill; one pound to the acre

Culture—For early use sow as soon as the ground opens in the spring in drills from twelve to fifteen inches apart; thin out to six or nine inches in the rows. For a succession, continue to sow every two weeks until June; for a fall and winter crop sow in July and August. The Ruta Bagas are grown for feeding stock, and are also excellent for the table. Take up the roots in November or before severe frosts; cut off the tops within an inch of the crown, store in a cool cellar or pit, or pile up in a conical form out of doors in dry ground; cover carefully with long straw and finish by earthing up, covering them with about twelve or fifteen inches of earth, leaving a trench around the heap to carry off the water. Put away in this manner they will be found in good condition in the spring.

Purple Top Strap Leaf—One of the finest of the flat turnips; rapid in growth and early in ripening; valuable alike for home and market.

Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.25.

White Egg—A quick growing variety, smooth, pure white; grows half out of the ground, very sweet.

Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.25.

Purple Top White Globe—An early globe-shaped variety.

Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.25.

Golden Ball Delicious in flavor and matures quickly. Color golden yellow.

Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.25.

White Sweet German—Flesh white, hard and firm; should be sown earlier than the flat turnips.

Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.25.

Yellow Ruta Baga—Flesh yellow, firm, rich, solid, sweet; very hardy; prolific, tender.

Pkt. 5c, oz. 20c, ¼ lb. 75c, lb. \$2.50.

St. Andrew's Yellow Ruta Baga—A yellow flesh variety of excellent quality.

Pkt. 5c, oz. 20c, ¼ lb. 75c, lb. \$2.50.

Miscellaneous Garden Seeds

Asparagus

One ounce will sow 50 feet of drill; 4 to 5 lbs. to the acre

Culture—Sow in April or May, in rows 1 foot apart, and keep clean by frequent hoeing. When two years old transplant into permanent beds, which should be well and deeply manured and trenched to the depth of 18 inches. On the approach of winter cover with manure or compost; fork the beds early in spring, and apply a dressing of salt or kainit at the rate of 600 pounds an acre. Cut for use the second year after planting.

Conover's Colossal—The most approved and standard sort.

Pkt. 5c, oz. 15c, ¼ lb; 45c.

Palmetto—A very desirable light green sort.

Pkt. 5c, oz. 15c, ¼ lb. 45c.

Barr's Mammoth—Very large, extra early, very productive.

Pkt. 5c, oz. 14c, ¼ lb. 45c.

Asparagus Roots

Culture—The quickest and easiest way to secure an asparagus bed is to plant two-year-old roots, and thus secure a good producing bed from one to two years before one can be had from seeds.

Conover's Colossal—Two-year-old roots per 100, \$1.00.

Palmetto Two-year-old roots per 100, \$1.00.

Borecole or Kale

One ounce will sow 150 feet of drill

Culture—Sow early in the spring in prepared beds, covering the seeds thinly and evenly; transplant in June, and treat in the same manner as for cabbage. They are extremely hardy and will endure quite a low temperature.

Dwarf Green Curled Scotch—Rarely exceeding eighteen inches in height, but spreading out under good cultivation to three feet in diameter; leaves beautifully curled and bright green.

Pkt. 5c, oz. 20c, ¼ lb. 70c.

MARKET Gardening this year will pay bigger profits than any other business. There is an actual shortage of food. Plant every foot of ground available.

Broccoli

One ounce of seed will produce about 1,500 plants

Culture—Same as Cauliflower to which it is nearly allied.

Early Purple Cape—Hardy heads of medium size and compact formation. Pkt. 5c, oz. 50c, ¼ lb. \$1.50.

Brussel Sprouts

Culture—Species of the cabbage family. It produces along the whole length of the stem small sprouts resembling miniature cabbages. The heads are a great delicacy boiled in the same way as cauliflower. Seed should be sown about the middle of May in a seed bed and the plants afterwards set out in rows two feet apart and cultivated like cabbage. Being small and hard, the sprouts are not in the least affected by frost.

Dwarf Improved—The best for general use.

Pkt. 5c, oz. 20c, ¼ lb. 75c.

Celeriac or Turnip-Rooted Celery

Culture—A variety of Celery with turnip-shaped roots, which are white fleshed, tender and possess the flavor of celery stalks. Sow the seed in the open ground in April and treat the young plants the same way as celery.

Large Smooth Prague—Very large and fine; roots of superior quality. Pkt. 5c, oz. 30c, ¼ lb. \$1.00.

Erfurt Giant Very large and smooth root.

Pkt. 5c, oz. 30c, ¼ lb. \$1.00.

Corn Salad or Fetticus

One ounce will sow 150 feet of drill

Culture—Sow early in spring in drills one inch deep and ten inches apart. For main crop sow in August and September.

Large Leave --- Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

Cress or Peppergrass

Culture—Sow thickly in shallow drills, early in spring and at intervals throughout the season, for a succession, as it soon runs to seed. Watercress requires a stream of running water, ditch or pond, in which it will grow without care, except at first keeping the weeds from interfering with it.

Extra Curled—The popular sort; fine, pungent flavor.

Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.00.

True Watercress Grows along the banks of streams. Leaves are quite large and thick.

Pkt. 5c, oz. 50c, ¼ lb. \$1.00;

Chervil

Culture—The young leaves are used in soups and salads. Sow evenly in May, in drills half inch deep, one foot apart.

Chervil, Curled—An aromatic sweet herb that resembles Parsley.

Pkt. 5c, oz. 20c, ¼ lb. 50c.

Chicory

Chicory, Large Rooted—Sow and treat in the same manner as Carrots. This is the Chicory of commerce used to mix with coffee. The roots are taken up, washed, cut in small pieces and carefully dried before being used.

Pkt. 5c, oz. 30c, ¼ lb. 85c.

Dandelion

One ounce will sow about 100 feet of drill

Culture—Sow in May in drills ten inches apart; thin out to 3 inches apart. Cultivate during the season and in the following spring the plants will be fit for use.

Improved Thick Leaved—Large and tender.

Pkt. 5c, oz. 70c, ¼ lb. \$2.00.

SATISFIED Customers Our Best Advertisement
—No matter where you live, if any extensive Gardening or Farming is done we can sight you to satisfied customers of long standing.

Kohl Rabi

One ounce will sow 150 feet of drill

Culture—An intermediate vegetable between the Cabbage and Turnip. Sow in April in rows eighteen inches apart, and thin out and transplant in rows eight inches apart. When three or four inches in diameter they are fit to eat. For late use sow in June or July.

Early White Vienna—Flesh white and tender; the best market sort. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Early Purple Vienna Differs from above in color, being a bluish purple. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Leek

One ounce will sow 100 feet of drill

Culture—The leek is very hardy and easily cultivated. It succeeds best in a light, well-enriched soil. Sow as early in the spring as practicable, in drills one inch deep and one foot apart. When six or eight inches high, they may be transplanted in rows ten inches apart each way, as deep as possible, that the neck, being covered, may be blanched.

American FlagA large variety with broad leaves. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. 90c, lb. \$2.75.

Mushroom

Culture—Mushroom can be grown in cellars, in sheds, in hot-beds or sometimes in open air. Fermenting horse manure at a temperature of about 70 degrees, mixed with equal weight of fresh sod loam, is made into beds the size required, eight inches deep. See to it that the bed is packed very solidly and evenly. In this bed plant the broken pieces of spawn, six inches apart, covering the whole with two inches of light soil, and protect from cold and rain. One brick will plant eight to ten square feet of bed. The mushrooms will appear in about six weeks. Water sparingly and with lukewarm water.

English Mushroom Spawn—Fresh. Price per brick of about $1\frac{1}{4}$ lbs., 25c. By mail, postpaid, 35c per brick.

Mustard

One ounce will sow 40 feet of drill

Culture—Very hardy. Seed can be sown as soon as the soil is free from frost, in shallow drills. Cut when a few inches high. It grows rapidly, and several sowings may be made. The young leaves are used for spring salad.

White—Fine for salad or culinary purposes. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

Chinese The leaves are twice the size of the ordinary White Mustard, while the flavor is sweet and pungent. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Orka or Gumbo

One ounce will sow 40 feet of drill

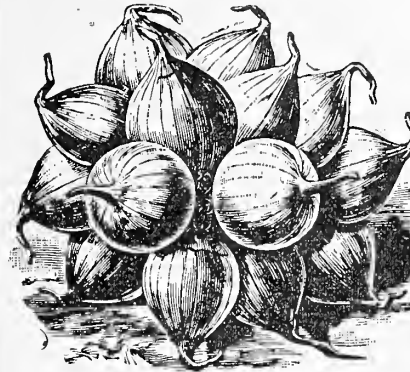
Culture—This vegetable is of the easiest culture, and grows freely, bearing abundantly in any ordinary garden soil. Sow early in May in drills two inches deep; thin out the plants to about thirty feet apart.

Dwarf Green—Early and productive; tender pods; best for nothern climate. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

OWING to the rapid advance of grain and seeds these prices are subject to change without notice. Send us your orders and we will give you the benefit of our lowest prevailing prices.

EVERY man who tills the soil and produces Food Crops must do two men's work and more this year if we are to remain a free nation.

Onion Sets



Onion Sets

Top or Button Onions

Shallots

Egyptian or Perennial Tree—for fall planting.

Culture—Onion sets should be planted near the surface as early as the ground will permit, in drills about twelve inches apart and four inches in the rows. They produce a very early and profitable crop, and grow in any good soil. Add six cents per quart if sent by mail. Prices subject to market changes.

Yellow Onion—sets. Qt. 30c, Pk. \$1.50.

White Onion sets. Qt. 30c, Pk. \$1.50.

Potato Onions Qt. 25c, pk. \$1.50.

Qt. 25c, pk. \$1.50.

Qt. 25c, pk. \$1.50.

Qt. 25c, pk. \$1.50.

Salsify or Oyster Plant

One ounce will sow 50 feet of drill

Culture—The directions for growing and keeping are the same as for parsnips.

Improved White—Root of medium size; white and smooth Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

Mammoth Sandwich Island—Twice as large as the preceding and of fine quality. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

Herb Seeds

Sweet, Pot and Medicinal

	Pkt.	Oz.
Anise. For garnishing, cordials and flavoring .....	.05	.20
Basil, Sweet. The leaves and tops of the shoots are used for highly seasoned soups, stews and sauces; a leaf or two is sometimes placed in salads .....	.05	.30
Borage. Excellent for bees. The leaves are used in salads or boiled as Spinach; the flowers are aromatic and used in cool drinks .....	.05	.20
Caraway. The aromatic seeds are used in confectionery, cakes and medicine .....	.05	.20
Castor Oil Seeds. (Ricin.) This seed yields Castor Oil .....	.05	.25
Catnip. Used for seasoning, and also grown as a bee food .....	.10	.50
Coriander. For garnishing; the seeds are aromatic and useful for flavoring .....	.05	.20
Dill. The aromatic seeds are used in pickles, preserves, soups and sauces .....	.05	.20
Fennel. The leaves boiled enter into fish sauces; beautiful for garnishing .....	.05	.15
Florence Fennel. An excellent salad plant and is also boiled. The flavor is sweet, spicy and distinct .....	.05	.20
Horehound. Useful for its tonic properties and for cough remedies .....	.05	.30
Hyssop. For medicinal purposes .....	.05	.20
Lavender. A popular, aromatic herb, emitting a delightful perfume .....	.05	.25
Marjoram, Sweet. The leaves and shoots are used for seasoning .....	.05	.30
Rosemary. The aromatic leaves are used for seasoning .....	.10	.35
Sage. The leaves are used in dressings and in sauces .....	.05	.25
Savory, Summer. Used for seasoning and flavoring soups and dressings .....	.05	.35
Thyme, Broad-Leaved. The leaves are dried for seasoning .....	.10	.60
Wormwood. Used for medicinal purposes; also beneficial for poultry .....	.10	.40

Varick's New Flower Seeds for Season of 1918

We give the following explanations for the benefit of those who are unacquainted with the terms Annuals, Perennials, etc.

Annuals are all plants growing from seed that flower and mature their seed and die the first year.

Hardy Annuals may be sown any time from April to October.

Half Hardy Annuals Best results are obtained by early starting in conservatory or hot-bed and transplanting to the open ground.

Biennial Seed should be sown from June to August. Will flower the next year. **Hardy sorts** cultivated as for Hardy-Annuals. **Tender sorts** should be started in frames or cool houses, where they may be kept all winter and transplanted in open ground in May.

Perennials Usually bloom the second year from seed and continue for many years. Many varieties will bloom the first year if started early in hotbeds. **Hardy sorts** remain in open ground during winter without protection. **Half-Hardy sorts** require protection during the winter. **Tender sorts** require the protection of greenhouse or cold frame during the winter.

Most flowering plants will live in almost any soil, but to give them a fair chance to develop, some care should be taken to make the grounds suited to their needs. Many flowers are better if produced on plants of vigorous growth, hence a portion of the garden should be prepared by deep digging, thorough pulverization, and liberal enriching with large quantities of well-rotted manure. Since some other varieties produce the largest and finest colored flowers when grown on rather light, poor soil, a portion of the garden should not be enriched.

Cultural directions are given on the packets, and we urge purchasers to study them carefully. While some seeds need special treatment, the following general rules will apply to all: Make the surface of the soil as fine, smooth and level as possible; do not plant when the ground is wet; cover each lot of seeds to a uniform depth, which should not be more than four or six times the diameter of the seed; press the soil firmly over the seed; plant in rows, so that the starting plants can be seen easily; be careful not to allow the young plants to be crowded or to be smothered by weeds.

Flower Seeds sent free by mail on receipt of price.

	Price per pkt.		Price per pkt.		Price per pkt.
Asters, Ball or Jewel Mixed Colors.....	5c	Coreopsis, Mixed Colors	5c	Nasturtium, Dwarf, New Fancy Colors.....	5c
Asters, Blanching Semples, Mixed Colors	5c	Cosmos, New Early, Mixed Colors.....	5c	Per ounce, 15 cents	
Asters, Comet, White	5c	Cosmos, New Early, White	5c	Nasturtium, Dwarf, Scarlet.....	5c
Asters, Comet, Mixed Colors	5c	Cypress Vine, Mixed Colors	5c	Nicotiana, White	5c
Asters, Crown, White Centre, Mixed Colors	5c	Cucurbita. See Gourds	5c	Nierembergia, Shades of Blue.....	5c
Asters, All Sorts, Mixed Colors.....	5c	Daisy, African	5c	Nigella, Shades of Blue	5c
Asters, White Rose	5c	Daisy, Swan River	5c	Palma Christi, or Ricinus.....	5c
Asters, Large Rose Flowered, Mixed Colors	5c	Datura, White	5c	Pansy, German, Fancy Colors	5c
Asters, Dwarf, Chrysanthemum Flowered, Mixed Colors	5c	Delphinium, Larkspur	5c	Pansy, Pure Yellow	5c
Asters, Tall, Chrysanthemum Flowered, Mixed Colors	5c	Dianthus. See Pinks	5c	Pansy, Pure White	5c
Asters, Ostich Plume, White	5c	Digitalis, Foxglove	5c	Pansy, Emperor William, Dark Blue	5c
Asters, Ostich Plume, Mixed Colors	5c	Dolichos, Hyacinth Bean	5c	Papava, or Poppy	5c
Asters, New Ray, Fine Long Needle Shaped Petals	5c	Eternal Flower, Helichrysum	5c	Peas, Sweet, Fine Colors, Mixed	5c
Asters, Triumph, Firey Scarlet.....	5c	Erysimum	5c	Per ounce, 15 cents	
Asters, Victoria Prize, Mixed Colors.....	5c	Eschscholtzia, California Poppy	5c	Peas, Extra Early, Red and White.....	5c
Asters, Victoria Prize, Apple Blossom.....	5c	Euphorbia, Foliage Plant.....	5c	Peas, White	5c
Asters, Victoria Prize, Crimson Marked White	5c	Feverfew, Golden Feather	5c	Peas, Scarlet	5c
Asters, Victoria Prize, Rose and White.....	5c	Four O'clock, Marvel of Peru.....	5c	Peas, Navy Blue	5c
Asters, Victoria Prize, Light Blue	5c	Forget-Me-Not, Myosotis	5c	Peas, Shades of Rose.....	5c
Asters, Victoria Prize, Dark Crimson	5c	Foxglove, New Colors	5c	Peas, Shades of Lavender.....	5c
Asters, Victoria Prize, Rose Carmine.....	5c	Flax, Scarlet	5c	Petunia, Fine Colors, Mixed.....	5c
Asters, Victoria Prize, Dark Scarlet.....	5c	Gaillardia, Lorenz Double	5c	Perilla, Foliage Plant.....	5c
Asters, Victoria Prize, White	5c	Gilia	5c	Phlox Drummondii, Fine Colors, Mixed.....	5c
Asters, Harlequin Striped Petals	5c	Globe Amaranth, Mixed Colors.....	5c	Pink, Single Japan, Fine Colors, Mixed	5c
Abronia, Umbellata	5c	Golden Feather	5c	Pink, Double Japan, Fine Colors, Mixed.....	5c
Acroclinium, Everlasting, White and Rose	5c	Gourds, Small Ornamental Sorts	5c	Pink, Chinese Double, Fine Colors, Mixed.....	5c
Adlumia, Allegheny Vine, Climber.....	5c	Gomphrena, Globe Amaranth	5c	Pink, Carnation, Fine Double, Mixed.....	5c
Ageratum, Swanley Blue	5c	Grasses, Annual Ornamental	5c	Pink, Double White	5c
Ageratum, White Imperial	5c	Gypsophila, White	5c	Portulaca, Single, Fine Colors, Mixed.....	5c
Alyssum, Sweet, White.....	5c	Heartsease, or Pansy	5c	Portulaca, Double Rose, Fine Colors, Mixed	5c
Alyssum, Sweet, Little Gem Dwarf, White	5c	Helichrysum, Sunflower Double	5c	Poppy, Double and Single, Mixed Colors.....	5c
Amaranthus, Tricolor	5c	Helichrysum, Everlasting	5c	Poppy, Scarlet, Single Tulip.....	5c
Amaranth, Globe, Everlasting, Mixed Colors	5c	Heliotrope, Dark Colors	5c	Poppy, Scarlet, Double Carnation	5c
Ammobium, White, Everlasting	5c	Hollyhock, Allegheny Double	5c	Poppy, Shirley	5c
Antirrhinum, or Snapdragon	5c	Hop, Variegated Japanese, Climber.....	5c	Poppy, White, Double Fringed.....	5c
Asperula	5c	Hyacinth Bean, Climber.....	5c	Ricinus, Zanzibar Castor Plant.....	5c
Aquilegia, or Columbine	5c	Iberis, or Candytuft	5c	Reseda, Odorata, Sweet Mignonette	5c
Bachelor's Buttons, Mixed Colors	5c	Ice Plant	5c	Sage, Scarlet, Fine Large Flowered.....	5c
Balsam, Fine Double, Mixed Colors	5c	Indian Shot, or Canna	5c	Salpiglossis, Fine Mixed Colors	5c
Balsam, Fine Double, White	5c	Immortal Flower, Helichrysum	5c	Sanvitalia, Double, Yellow	5c
Balloon Vine, Climber	5c	Impomea Quamoclit, Cypress Vine.....	5c	Starry Scabious, Everlasting	5c
Brachycome, Blue and White	5c	Japan Pink, Single, Mixed Colors.....	5c	Scabious, Sweet, Mourning Bride.....	5c
Cacalia, Scarlet	5c	Japan Pink, Double	5c	Schizanthus, Shades of Blue.....	5c
Calendula, Meteor	5c	Joseph's Coat, Amaranthus, Tricolor.....	5c	Sensitive Plant	5c
Calendula, Double Pot Marigold	5c	Koehia	5c	Snapdragon, Fine Colors, Mixed	5c
California Poppy, or Eschscholtzia.....	5c	Larkspur, Double Branching	5c	Stocks, Ten Week, Large Double.....	5c
Calliopsis, or Coreopsis	5c	Lathyrus Odoratus, Sweet Peas	5c	Swan River Daisy	5c
Canterbury Bells, Mixed Colors	5c	Linum, Scarlet Flax	5c	Sweet Alyssum, White	5c
Candytuft, White Rocket	5c	Lobelia, Shades of Blue	5c	Sweet Alyssum, Little Gem Dwarf, White	5c
Candytuft, Empress	5c	Love in a Mist, Nigella	5c	Sweet Mignonette	5c
Candytuft, White Sweet Scented	5c	Lychnis, Haage's Scarlet	5c	Sweet Scabious, Mourning Bride.....	5c
Candytuft, Purple	5c	Marigold, Dwarf Double, French.....	5c	Sweet Sultan	5c
Candytuft, Mixed Colors	5c	Marigold, Pot or Calendula	5c	Sweet Peas, Fine Colors.....	5c
Canary Vine, Climber	5c	Marigold, African Double, Yellow	5c	Sunflower, Solid Gold Double	5c
Canna, Crozy's New Dwarf	5c	Marvel of Peru, Four O'clock.....	5c	Sunflower, Sutton's Miniature	5c
Carnation, Double, Mixed Colors.....	5c	Maurandia, Climber	5c	Sweet William, Mixed Colors.....	5c
Catchfly, Mixed Colors	5c	Mesembryanthemum, Ice Plant	5c	Tassel Flower, or Cacalia.....	5c
Celosia, Crimson	5c	Mignonette, Sweet	5c	Thunbergia, Climber	5c
Centaurea, Imperial New	5c	Mignonne, Machet	5c	Tropaeolum, Nasturtium	5c
Centaurea moschata, Sweet Sultan	5c	Mimosa, Sensitive Plant	5c	Ten Week Stock, Large Double.....	5c
Centranthus	5c	Mimulus, Fine Blotched	5c	Verbena, Fine Colors, Mixed	5c
Chrysanthemum, Annual sorts	5c	Mirabilis Jalapa, Four O'clock.....	5c	Verbena, New Mammoth, Mixed Colors.....	5c
Cobaea, Scandens, Climber.....	5c	Morning Glory, Fine Colors.....	5c	Verbena, Scarlet Defiance	5c
Cockscomb, Dwarf Crimson	5c	Mourning Bride, Mixed Colors.....	5c	Verbena, White	5c
Columbine, Mixed Colors	5c	Mourning Bride, White	5c	Virginian Stock, Mixed Colors.....	5c
Convolvulus, Morning Glory	5c	Myosotis, Forget-Me-Not	5c	Wood Fringe, or Adlumia, Climber.....	5c
Convolvulus, Dwarf, Mixed Colors	5c	Nasturtium, Tall, New Fancy Colors	5c	Xeranthemum, Everlasting, Double	5c
		Per ounce, 15 cents		Zinnia, Fine Colors, Double.....	5c
		Nasturtium, Tall, Crimson.....	5c	Zinnia, Brilliant Scarlet, Double.....	5c
		Nasturtium, Tall, Pearl	5c	Zinnia, Curled and Crested	5c
				Zinnia, Haage's Yellow, Double.....	5c

Everlastings

Acroclinium, Rose and White.....	5c
Ammobium, White Double.....	5c
Celosia plumosa, Crimson.....	5c
Gomphrena, Globe Amaranth.....	5c
Gypsophila, White.....	5c
Helychrysum, Double.....	5c
Helipetrum, Yellow.....	5c
Starry Scabious, White.....	5c
Statice, Blue, White, Yellow.....	5c
Xeranthemum, Rose, Purple, White.....	5c

Climbers

Adlumia, Purple.....	5c
Balloon Vine, White.....	5c
Canary Vine, Yellow.....	5c
Cobaea, Purple.....	5c
Cypress Vine, Scarlet and White.....	5c
Dolichos, Hyacinth Bean.....	5c
Convolvulus Major, Morning Glory.....	5c
Gourds, Small Ornamental Sorts.....	5c
Maurandia, Purple.....	5c
Morning Glory, Fine Colors, Mixed.....	5c
Morning Glory, Japanese Fine Colors.....	5c
Nasturtium, Tall, Mixed Colors.....	5c
Peas, Sweet, Flowering, Mixed.....	5c
Thunbergia, Yellow.....	5c
Tropaeolum, Fine Colors, Mixed.....	5c

Nasturtium

Few plants are more easily grown or remain longer in bloom than the Tropaeolum, with its large shield-shaped leaves and beautifully irregular flowers having long spurs and brilliantly colored petals. In favorable soil flowers are produced in abundance throughout the season. Much used for window boxes. If the black aphid appears, spray the foliage vigorously with water.

Seed is usually sown outdoors, as soon as the weather is warm and settled, in the row where the plants are to remain. Well pulverized soil, preferably well drained and moderately rich, should be used and the seed covered with about one inch of fine soil firmly pressed down. A sunny situation is essential for free blooming. If the soil is very rich the plants give a large amount of foliage but few flowers. For earlier blooming start indoors and transplant to the open ground after danger of frost is over.



VARICK'S DWARF NASTURTIIUM. Unrivaled in beauty and effect. Planted in poor soil, they flower profusely. Plant liberally. We offer the choicest variety in equal mixture. Pkt., 5c; ounce, 15c; 1/4 lb., 45c; lb., \$1.50.

VARICK'S TALL NASTURTIIUM. Few flowers either as climbing vines or trailing on the ground, are more attractive or brighter than the common tall Nasturtium. We have secured only the choicest sorts and prepared a grand mixture, not surpassed by any on earth. Only the handsomest varieties comprise this superb mixture. Pkt., 5c; ounce, 15c; 1/4 lb., 45c; lb., \$1.50.

Varick's Cream of the Named Sweet Peas



We have discarded the small flowering sorts and selected the following varieties from a list of nearly two hundred as being among the finest size, form and color.

These well-known, universal favorites have been much improved the last few years in size and variety of colors, and for beauty and fragrance cannot be surpassed, embracing as they do, every shade of color most delicately tinged and variegated. Sow in drills as early as possible in the Spring in rich soil. Make a furrow, 6 inches deep, sow the seed and cover about 2 inches. As soon as the plants begin to show fill in the furrow. This deep planting will enable the vines to stand the heat of summer. By cutting the flowers before they fade, thus preventing pods from forming, the blossoms may be continued the whole season.

DOROTHY ECKFORD. Splendid pure white.

MRS. ECKFORD. Shaded primrose yellow.

LOVELY. Soft shaded shell pink.

HON. MRS. E. KENYON. A beautiful primrose color; a bold giant flower.

FIREFLY. Deep brilliant scarlet.

MARS. Large, intense crimson and scarlet.

LADY GRISEL HAMILTON. Beautiful silvery lavender.

COUNTESS OF CARDOGAN. Purple blue.

OTHELLO. Deep maroon and violet.

APPLE BLOSSOM. Deep rose pink.

PRINCESS OF WALES. Striped blue and purple.

BLANCHE FERRY. Red and white.

CARMINE INVINCIBLE. Intense carmine.

MAID OF HONOR. White edge and blue.

MISS WILLMOTT. Beautiful large flowers; the standard is of rich orange-pink, delicately shaded rose; wings also orange-pink.

EMILY HENDERSON. Large and early white.

KATHERINE TRACY. Lovely bright pink.

ROMOLO PIAZZANI. Flowers rosy purple changing to lilac and blue. Large size, hooded and better than Fascination.

PRINCE OF WALES. Bright rose carmine.

COUNTESS OF RADNOR. Rosy lavender.

AURORA. Striped rosy orange.

QUEEN OF SPAIN. A delicate peach-blossom-pink with slight apricot tinge. 5c packet of about 75 seeds. Enough for a single row 6 feet long. 15c per ounce of 300 or 400 seeds. Enough for a single row 25 feet long. 40c per 1/4 pound. Enough for 100 feet of row. \$1.25 per pound. Delivered free in the U. S.

Varick's Gorgeous Mixture of Large Flowering Sweet Peas

Sweet peas are one of our greatest specialties. Varick's Gorgeous Mixture is undoubtedly the equal of any ever offered. It is our own special mixture, and contains only the grand new named varieties of the old flowering type. The seed has been carefully grown from especially selected stocks, and is mixed by ourselves. This mixture contains the best colors, the largest flowers, and is the most perfect mixture that can be had. It includes many of Eckford's latest introductions, as well as others, and we claim there are no better colors offered in any selection.

Large package, 5c; ounce, 15c; 1/4 pound, 40c; 1/2 pound, 70c; lb., \$1.25. Delivered free anywhere in U. S.

Varick's Eight Superb New Spencers

We have selected what we consider the eight best and most distinct kinds introduced prior to 1916, which we offer below.

They are a great improvement on the standard sorts, having large, round, open flowers of extraordinary size, measuring two inches and over across, with wavy standards and wide-spreading wings, a very large percentage bearing four of these immense blossoms to the stem, which is long and strong, making them of exceptional value for cutting, and are just as easy to grow as the standard varieties.

APPLE BLOSSOM SPENCER. Immense waved and crinkled flowers of a carmine-rose color with creamy blush wings.

ASTA OHN SPENCER. This is the first lavender of the True Spencer. The large flowers are waved and fluted.

PRIMROSE SPENCER. The finest primrose yellow, with very large wavy flowers.

ETHEL ROOSEVELT. The ground color is a soft primrose, overlaid with dainty flakes and splashes of blush crimson.

OTHELLO SPENCER. The long stems are thick and carry well either three or four fine blossoms of a deep rich maroon.

KING EDWARD SPENCER. The unusually large wings make the flowers appear truly gigantic in size. The standard is a deep rich carmine-scarlet of glossy effect.

VERMILLION BRILLIANT. The most brilliant iridescent scarlet Spencer yet produced. All except White Spencer.

Pkt., 5c; ounce, 25c; 1/4 lb., 75c; 1 lb., \$2.50.

WHITE SPENCER. Produces in the greatest profusion pure white waved flowers of truly gigantic size. Oz., 30c; 1/4 lb., \$1.00; 1 lb., \$3.50.

Varick's Sweet Peas

VARICK'S Sweet Peas are a delight, Where they are grown they charm the sight, And when their fragrance fills the air No other blooms with them compare. Their colors are the rainbow's hues, The maiden's cheeks the lover woos, The morning's blush, the sunset's flame, And other colors we might name; But plant them for yourselves and see Their matchless bloom and purity.

PLAN FOR KITCHEN GARDEN

Where Space is Limited

1 ft.	Rhubarb	Horse Radish
4 ft.	Asparagus	Salsify Parsnip
3 ft.	Early Corn	Summer Squash
4 ft.	Main Crop Corn	
2 ft. 2 ft.	Dwarf Peas } “ “ }	Followed by Celery
3 ft.	Early Cabbage and Cauliflower or Brussels Sprouts	
1 1/4	Early Beets (followed by Turnips or Fall Spinach)	
1 1/4	Early Beets (followed by Winter Radish)	Parsley
1 1/4	Onions	Early Radish
1 1/4	Dwarf Beans	“ “ and Carrot or Endive
3 ft.	Late Cabbage	Pepper
1 ft.	Tomatoes	Pole Beans
5 ft.	Cucumbers, Melons or Late Squash (One or more hills of each)	

For the convenience of those who have only a limited space at their command, the accompanying plan is suggested as an aid in laying out a small kitchen garden.

Where the rows are made the distances apart indicated on this diagram, thirty-five feet are required in one direction.

If the rows are to run east and west it is desirable to have the corn at the north end, otherwise the corn is likely to shade too much the rows near it on the north side.

The rows may be as long as space permits or individual preferences may call for, and where space is limited, more rows of favorite sorts may be added or provision made for other vegetables or flowers that may be desired.

The Asparagus, Horse Radish and Rhubarb should be permanent beds.

Among the varieties of vegetables that we recommended, mentioned somewhat in order of planting, are the following:

TOMATO, Early. Earliana. Chalk's Early Jewel and Dwarf Champion.

CABBAGE, First Early. Early Jersey Wakefield.

CABBAGE, Second Early and Intermediate. Early Summer Danish Ball Head and Copenhagen Market.

CAULIFLOWER. Early Snowball.

ONION. Bunching and White and Yellow Onion Sets.

PEPPER. Large Bell or Bull Nose and Squash. The above sorts do best when started indoors and transplanted. Others mentioned below may be sown outdoors.

LETTUCE, Clustering or Loose Leaved. Black Seeded Simpson Early Prize Head and May King.

LETTUCE, Cabbage or Heading. Big Boston.

ONION. Yellow Globe Danvers, Southport Red Globe and White Silverskin.

RADISHES. French Breakfast, Early Scarlet Turnips White Tipped, Early Long Scarlet and White Icicle.

SPINACH. Early Round Thick Leaved and Long Standing.

PARSLEY. Moss Curled.

PEAS. Nott's Excelsior, Sutton's Excelsior, (dwarf), Telephone and Champion of England (tall).

ASPARAGUS. Palmetto and Conover's Colossal.

BEEF. Detroit Dark Red and Crosby's Egyptian.

CORN, Early White Cory, Crosby's Early and Golden Bantam.

CORN, Main Crop. Stowell's Evergreen.

BEANS, Dwarf Wax Podded. Golden Wax and Currie's Rust Proof Black Wax, Black Seeded.

BEANS, Dwarf, Green Podded. Early Red Valentine, and Arlington (shell).

BEANS, Pole. Kentucky Wonder and Horticultural Pole Cranberry Beans.

CUCUMBER. Early White Spine and Improved Long Green.

SQUASH, Summer. Mammoth White Bush Scallop and Summer Crookneck.

SQUASH, Fall and Winter. Delicious and Hubbard.

MUSK MELON. Emerald Gem. Rocky Ford and Miller's Cream.

WATER MELON. Vick's Early, Kolb's Gem.

CARROT. Danvers and Half Long Nantes.

PARSNIP. Hollow Crown and Long White Dutch.

SALSIFY. Mammoth Sandwich Island.

CABBAGE, Fall and Winter. Premium Late Flat Dutch.

TURNIP. Extra Early White Egg and Early Purple Top, Strap-Leaved.

Even a small yard should have its flowers. Plant a few Sweet Peas or some Nasturtiums, either Dwarf or Trailing. Our mixtures of Asters, Pansies, Petunias, Phlox Drummondii, Poppies, Morning Glories, Marigolds, Verbenas and Zinnias, all are easily grown. A few packets of flowers well grown will give an abundant harvest of pleasure.

Each packet of seeds gives cultural directions sufficient to insure success under normal conditions and more detailed suggestions for many sorts will be found in the following pages.

To insure success use Varick's Reliable Seeds

YOU no doubt have noticed gardeners who have a wonderful crop and you may wonder why yours was not the same. The secret of good success is good seeds. **VARICK'S RELIABLE SEEDS** fill the bill. Why not try them?

IN dollars and cents you will be liberally rewarded for your earnest work and thought, but, better than that you will know that you are doing not only "Your Bit" but "Your All" for the Life and Liberty of this Glorious Country We Love so Well.

FERTILIZERS

For the Farm, Garden and Lawn

Swift's Lowell Bone Fertilizer

For Corn, Grain, Grass and Vegetables
Guaranteed Analysis

Ammonia	2½ to 3½ per cent
Nitrogen	2.05 to 2.87 per cent
Total Phosphoric Acid	11 to 12 per cent
Available Phosphoric Acid	10 to 11 per cent

This is a popular brand at moderate cost, and is used not only for Corn and Grain, but for Potatoes and Grass, and is an excellent fertilizer for Cranberries and all crops. It gives an early and vigorous start promoting steady growth to maturity.

It contains more Ammonia and available Phosphoric Acid than ever before, which in large measure takes the places of potash and is a most reliable and economical brand to use.

200 lb. bags, per 100 lb.	2.25
100 lb. bags per 100 lb.	2.35
25 to 50 lbs. per lb.	.3c
Less than 25 lbs., per lb.	.4c
Price per ton	\$42.00

Swift's Lowell Potato Manure

Guaranteed Analysis

Ammonia	3 to 4 per cent
Nitrogen	2.46 to 3.28 per cent
Total Phosphoric Acid	11 to 12 per cent
Available Phosphoric Acid	10 to 11 per cent

This is a fertilizer made for Potatoes and Vegetables, at moderate cost, to be used with or without barnyard manure, although it may be profitably used alone. It contains higher percentages of Ammonia and Phosphoric Acid than in previous years.

Price per ton	\$47.00
200 lb. bags, per 100 lbs.	2.50
25 to 50 lbs., per lb.	.3c
Less than 25 lbs., per lb.	.4c

Swift's Lowell Market Garden Special Grass and Lawn Dressing

Guaranteed Analysis

Ammonia	6 to 7 per cent
Nitrogen	4.92 to 5.74 per cent
Total Phosphoric Acid	9 to 10 per cent
Available Phosphoric Acid	8 to 9 per cent

A most concentrated and powerful fertilizer. It is economical, too, because it is not necessary to apply so much per acre as of lower grades.

For Asparagus, Celery, Lettuce, Spinach, Squash and all Vine crops it is excellent. Fields that need top dressing or reseeded in the spring should receive an application of this quick acting and reliable fertilizer. With sufficient moisture, it will double the crop over the yield where no manure or fertilizer has been used. It is strongly recommended for Lawns, Flowers, Trees, Shrubby and Vegetables. In short, it is our best foliage and garden fertilizer.

200 lb. bags	\$3.50 per 100 lbs.
100 lb. bags	3.75 per 100 lbs.
25 to 50 lbs. 4c lb.; less than 25 lbs., 5c lb.	
Price per ton	\$65.00

Pure Ground Bone

Four to 5 per cent ammonia 21 to 23 per cent phosphoric acid. A valuable fertilizer, especially for lawns, vines and fruit trees.

200 lb. bags, per 100 lbs.	\$2.50
100 lb. bags, per 100 lbs.,	2.75
25 to 50 lbs., per lb.	.3c
Less than 25 lbs., per lb.	.4c

Edible Bone Meal

\$3.75 per 100 lbs.,	4½c per lb.
----------------------	-------------

Land Plaster

Excellent for composting and fertilizing; it is also used for preventing bugs from destroying Cucumber, Melon and Squash vines.

Price on Application

What Shell-Marl Land-Lime Does for Soil

Shell-Marl Land-Lime (not caustic, no magnesia) corrects acidity; releases plant foods; increases efficiency of fertilizers and manures; warms cold damp soils; makes plants stronger, enabling them to withstand drouths and frosts; matures plants earlier; makes heavy soils friable; knits sandy soils; kills worms and bugs; eradicates weeds; creates and conserves humus; is as necessary as potash or phosphate. May be applied with manure or used as a top dressing for mowings and pastures. Nicer to handle than caustic lime. Use Shell-Marl Land-Lime and double your farm production. A wonderful soil builder and tonic.

Per ton, \$13.00. Per 100 lbs., 85c

Alphano Humus

The All in One Fertility Producer

Alphano Humus is an all round soil builder and fertility producer. It is a black, velvety enricher that is odorless and free from weed seeds. It comes to you in a dry, finely granulated form, making it easy to thoroughly mix with the soil. Being entirely sanitary it frees you from the dangers of disease contagions carried so alarmingly by stable manures.

It is liberally supplied with Nitrogen phosphate, potash and lime, in both vegetable and mineral combination.

It is teeming with billions of the nodule air-converting, nitrogen germs, for all the clovers, peas, beans and other legumes or pod bearing plants; in addition it contains the best mineral soil food converting bacteria.

ALPHANO benefits your soil physically by mellowing it. Clay soils it opens up, sandy soils, it makes more compact. It increases the soil's water holding and heat retaining power. It makes cold soils warmer and dry soils moist.

Price per ton in bulk	\$12.80
Per ton in bags	15.25
Per 100 lbs.	1.00
Per lb.	1½c

Canadian Unleached Hardwood Ashes

Acts as Both Insecticide and Fertilizer

Hardwood ashes besides being excellent for building up the soil and correcting the acidity and sourness which is so common in almost every soil and restoring it to its original fertility, contains a fair percentage of active caustic potash, which not only furnishes the plant with the necessary food for its development but acts as an insecticide in destroying insects which constantly prey on plants. Extra-selected, double-screened finest unleached Canada Hardwood Ashes.

\$1.50 per 100; \$27.00 per ton

Especially recommended for grass (top dressing 1 ton to acre), also all crops but potatoes, especially onions and garden truck. Spread after ploughing and harrowing, 2 tons to acre.

Nitro-Fertile

A Concentrated Liquid Fertilizer

A special product for fruit of all kinds, grapes, potatoes, tomatoes and all vegetables, nursery stock, flowers and seedlings. A balanced ration which insures quick and luxuriant growth.

½ pint bottle, 25c, makes 7¼ to 15 gallons of Fertilizer.

1 pint 40c, 1 quart 60c, 1 gallon (bottles) \$2.00
25 gallon (barrel), \$45.00

Bowker's Ammoniated Food for Flowers

The original odorless house plant food.

4 oz. package, 15c; 12 oz. package, 25c

Agricultural Chemicals

Tankage, in 200 lb. bags, 6% ammonia, 30% Bone Phosphate, per ton \$55.00, per 100 lb., \$3.00.

Acid Phosphate, in 200 lb. bags, 14-16% available phosphoric acid, per ton \$26.00, per 100 lb., \$1.50.

Sheeps Head Brand Manure

IT MAKES THINGS GROW

Sheeps Head Brand Sheep Manure is the Natural Fertilizer prepared to conserve its greatest value.

100 lb. bags	\$2.75
25 lb. bags	.75c
5 lb. package	.35c
Ton lots	\$42.00

REMEDIES FOR INSECTS AND FUNGUS AND BUG INSURANCE

SWIFT'S ARSENATE OF LEAD (paste). A remedy for the Elm Tree Beetle, Gypsy Moth, Brown Tail Moth, etc. It adheres well to the foliage and does not readily wash off with the rain. Price, 1-lb. jar 32c; 5 lbs., \$1.20; 10 lbs., \$2.20; 25 lbs., \$5.25; 50 lbs., \$10.00; 100 lbs., \$19.00.

ARSENATE OF LEAD (DURHAM) POWDERED. May be used either as a dust diluted with hydrated lime, plaster or road dust, or as a liquid spray with water, lime-sulphur, solution of Bordeaux, only half the weight is needed as of the paste form. Price, 1 lb., 50c; 5 lbs., \$2.40; 10 lbs., \$4.20; 25 lbs., \$10.00; 50 lbs., \$19.00; 100 lbs., \$37.00.

BLACK LEAF. 1 oz., 25c; 1-4 lb. 40c; 1-2 lb. 75c; 2 lbs. \$2.50.

BORDEAUX MIXTURE PASTE (Sterlingworth.) Ready for use by simply adding 1 part to 50 of water. An indispensable fungicide curing and preventing black rot, mildew, blight, rust, scab, and all fungoid diseases on fruits and plants. Price 1 qt., 40c; 1 gal., \$1.10; 5 gal., \$5.25; 10 gal., \$9.50.

BUG DEATH. A non-poisonous powder to be applied dry or mixed with water and sprayed on the plants. It is death to the potato, squash and cucumber bugs, currant and tomato worms. It is best applied dry with a duster or bellows at the rate of about 12 lbs. per acre. Price, 1 lb., 15c; 3 lbs., 40c; 5 lbs., 60c; 12½ lbs., \$1.25; 100 lbs., \$8.00. Dickey Shaker, for applying above 45c each.

CREOSOTE FOR GYPSY MOTH. The most effective protection from caterpillars. Sure death to the eggs. Quart, 20c; 1 gallon, 60c; 5 gallons, \$2.00.

CUT WORM KILLER. A sweetened material that is more palatable to the cut worm than the plants themselves. It is sprinkled on the ground around the plants as soon as the young seedlings break the ground. Price, 1 lb., 25c; 5 lbs., \$1.00.

DALMATIAN OR PERSIAN INSECT POWDER. One of the best insecticides for all insects. Price, can 10c; lb. 50c.

INSECT POWDER GUNS, 15 cents each.

FISH OR WHALE OIL SOAP. Makes an excellent wash for trees and plants where insects and eggs affect the bark and for smearing on the trunks of trees to prevent worms from crawling up. Per pound, 25c.

FORMALDEHYDE. This solution is used to prevent fungoid diseases, such as potato scab, grain smut, etc. The dilution for most purposes is 1 pound Formaldehyde to 15 or 20 gallons of water; 1 to 2 gallons of solution is required to treat each bushel of potatoes. Price, pint, 50c; quart, 90c; 1-2 gallon, \$1.55; 1 gallon, \$3.00.

HELLEBORE, POWDERED WHITE. For the destruction of slugs, worms, caterpillars, etc. Less poisonous than Paris Green and London Purple, and safer to use when fruits or vegetables are nearly ripe. Can be used as a powder or dissolved, 1 ounce in 3 gallons of water. Price, 1-4 lb. 15c; 1-2 lb., 25c; 1 lb., 45c.

LEMON OIL. Destroys scale, thrip, mealy bug, red spider, black and green fly. Price, ½ pint, 30c.

BOWKER'S LIME SULPHUR. A most effective remedy for San Jose Scale, Oyster-Shell Scale and many Fungi. It should be applied any time after December 1 and before the buds start in the spring. Needs only to be diluted with cold water and it is ready to apply. Price, 1 gal., 75c; 5 gal., \$2.50; 10 gal., \$3.90.

DRY LIME SULPHUR. Price, 5 lbs., 90c; 10 lbs., \$1.60; 25 lbs., \$3.75; 50 lbs., \$7.00.

PARIS GREEN. A poisonous insoluble powder, extensively used for potato bugs, caterpillars, slugs, etc. Price, 1 lb., 60c.

PYROX, BOWKER'S. Does all that Arsenate of Lead will do, besides protecting trees, shrubs, vegetables and plants against fungus diseases, one application answering both purposes, saving labor and expense. All ready to use by adding water. Price, 1 lb., 35c; 5 lbs., \$1.38; 10 lbs., \$2.50; 25 lbs., \$5.75; 50 lbs., \$10.75; 100 lbs., \$20.00; 300 lbs., \$57.00.

SCALECIDE. A very effectual winter wash for trees infested with San Jose or other scales. Spray during winter when the trees are dormant. Price, quart, 55c; gallon, \$1.35.

SULPHO-TOBACCO SOAP. A popular insecticide for the amateur, quickly exterminating all insect life on plants and flowers in and out of doors. Price, 3 oz. cake, 10c; 8 oz. cake, 20c.

TREE TANGLEFOOT. A perfect safeguard for trees and shrubs, against gypsy and brown-tail moths and other creeping insects. Price, 1 lb., 50c; 3 lbs., \$1.45; 10 lbs., \$4.50.

WEED KILLER, STERLINGWORTH. A powder especially adapted for destroying weeds in walks, drives, tennis courts or any place where the killing of all vegetation is desired. Price, 1 lb., 50c.

SULPHO-NAPHTHOL. The great disinfectant. Price, 1 oz., 10c; 3 oz., 25c; 8 oz., 50c; 1 quart, \$1.00; 1 gallon, \$3.00.

CABOT'S MILKOL. Standard disinfectant and sheep dip, antiseptic. Insecticide, non-corrosive, germicide, non-poisonous. Price, 2 quart can, 85c; 1 gallon can, \$1.50.

CARBONOL. The Coal Tar Disinfectant, antiseptic, insecticide, germicide and cleanser. 1 oz., 10c; 4 oz., 25c; 16 oz., 50c; 32 oz., \$1.00; 1 gal., \$1.75.

DURHAM CATTLE OIL. Protects horses, cattle, dogs, etc., from flies and gnats, mosquitoes, horse fly and other insects; is healing to sores, destroys head lice on fowls, etc. Price, 1 gallon can, \$1.00.

LA-LO ANIMAL SPRAY. Banishes flies and certain insects from cattle, sheep, horses. Price 1 gallon can \$1.50.

STERLINGWORTH ROACH KILLER. Destroys cockroaches, water bugs and many other crawling pests. 3 oz. package, 30c.

LITHODINE. The Unrivalled Bath Tub and general cleaning agent. 8-oz. package, 25c.

EGYPTIAN DEODORIZER AND AERO FUME. A burning pastel. Destroys obnoxious odors and perfumes the air. Price, 25c., box.

20-MULE TEAM BORAX. ¼ lb. package, 5c; 10 oz. package, 10c; 1 pound package, 15c.

PAROWAX. Possesses the cleansing powers of naphtha and kerosene, also a perfect sealing agent for Fruits, Jellies, Preserves, Pickles, Ketchup, Vegetables, etc. Pound package. Price, 22c. lb.

WHITE ROCK LIME. Prepared for white-washing, 12 oz. can, 15c.

CEAR MIST. A blend of Coal Oil, Oil of Cedar and other volatile and essential oils. Kills Bed Bugs, Roaches, Moths, Waterbugs, Fleas, Ants and many kinds of vermin. Price, pint, 25c; gallon, \$1.75.

AMMONIA (SAWYER'S) Price, medium bottle 15c; extra large, 30c.

CLAROSAN. Powdered disinfectant. Has more than 100 uses. A modern disinfectant in a modern form. A much better germicide than Carbolic Acid. Not at all dangerous. 15 oz. can, 25c.

CHLORINATED LIME. The great dry disinfectant and deodorizer, also a splendid bleaching powder. Price, can, 10c.

CARBOLATED LIME. Has no equal for disinfecting purposes. Especially good for bath rooms. Kills all disagreeable odors from toilet rooms or damp cellars. Medium packet, 5c; large package, 10c.

BLACK DIAMOND LYE. 14-oz. can, 10c.

BABBITT'S CLEANSER. Cleans, scours, scrubs, polishes, purifies. In the bathroom, in the office, in the store, in the butcher shop. Big can, 5c.

OLD DUTCH CLEANSER. Chases dirt, scours, polishes. Price, can, 10c; 4-lb. pkg. 35c.

PORCELLA. The great bath tub cleanser. 16-oz. can, 25c.

NORTH AMERICAN PIPE CLEANING COMPOUND. Cleans, sweetens, purifies. 16-oz. can, 15c.

SANI-FLUSH. For cleaning closet bowls only. Quick, easy, sanitary. Cleans without fuss or muss. 24-oz. can, 25c.

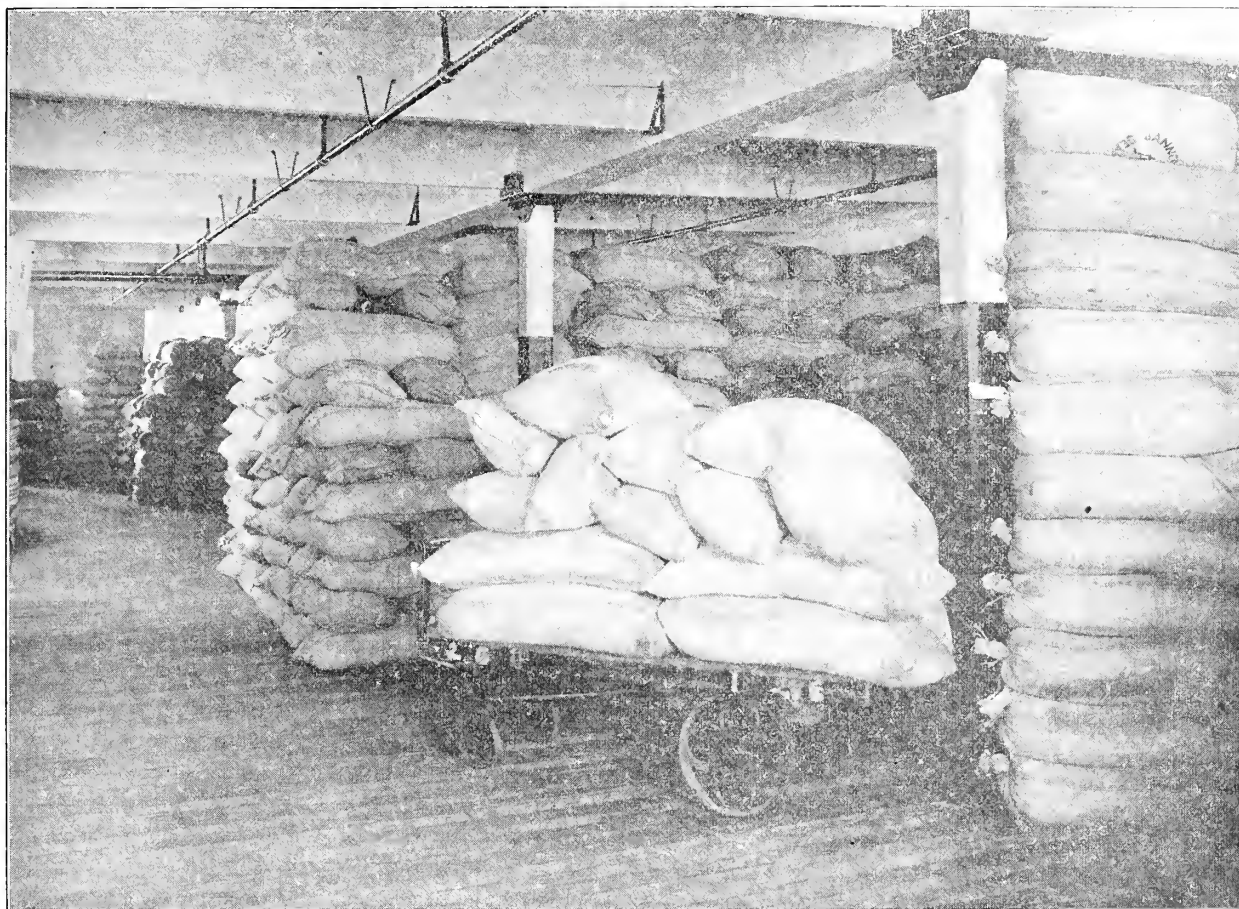
BON AMI. Cleans all surfaces, Polishes all metals, Price, can, 10c; (none, 25c.)

ECONOMY PLUMBER. Quickly clears stopped up drain and sewer pipes. One-pound can, 50c.

POWDERED BATH OR BRISTOL BRICK. Large package, 15c.

PERCAMA. Cleans heavy fabrics, such as automobile seat covers, linoleums, rugs, carpets and all heavy fabrics. Non-explosive, Safe, Sure. Contains no gasoline or benzine. One quart can, 25c.

ANTI-CROW CORN OIL. (Sterlingworth), Price, pint 30c; quart 50c.



**Timothy, Red Top, Clover, Millet, Hungarian, Alsike, Alfalfa, Rhode Island Bent,
Kentucky Blue Grass, Etc., Etc.**
(Second Floor, Warehouse No. 2)

GRASS SEEDS AND CLOVERS

ALL ORDERS WILL BE FILLED AT LOWEST PRICE WHEN THEY ARE RECEIVED,
AND WE WILL TAKE PLEASURE IN QUOTING PRICES AT ANY TIME.

Varick's Reliable Farm Seeds

**All Our Grass and
Clover Seeds are
of the
Choicest Quality,**

**New Crop Seeds
of the
Highest Germinating
Power**

**Thoroughly Cleaned
by the
Most Improved Seed-
Cleaning Machinery**

Kinds of Grass	Kinds of Lands to Which Best Adapted	Quantity to Acre When Sown Alone	Weight per Bushel.
Timothy	Stiff, loamy or bottom lands	$\frac{1}{4}$ bushel	45 pounds
Red Top (recleaned)	Stiff, loamy or bottom lands	12 pounds	35 pounds
Hungarian	Sandy, light or loamy soil	1 bushel	48 pounds
Japanese Millet	Sandy, light or loamy soil	20 pounds	32 pounds
Golden Millet	Sandy, light or loamy soil	1 bushel	50 pounds
Orchard Grass	Shady situation, loamy and stiff uplands	3 bushels	14 pounds
Kentucky Blue Grass	Loamy and stiff soil	3 bushels	14 pounds
Rhode Island Bent	Light and loamy soil	3 bushels	10 pounds
Creeping Bent	Light and loamy soil	3 bushels	20 pounds
Fowl Meadow Grass	Wet meadows	2 bushels	10 pounds
Red Clover	Loamy and stiff soil	$\frac{1}{4}$ to 1-3 bushel	60 pounds
Pea Vine Clover	As Red Clover, but larger growth	$\frac{3}{4}$ bushel	60 pounds
Alfalfa, or Lucerne Clover	Light or deep loam	1-6 bushel	60 pounds
Alsike Clover	Loamy or stiff bottoms	1-3 bushel	60 pounds
Crimson Clover	Light, loamy or stiff soil	1-5 to $\frac{3}{4}$ bushel	60 pounds
White Clover	Light, loamy or stiff soil	15 pounds	60 pounds
Italian Rye Grass	Light, dry and stiff uplands	$2\frac{1}{2}$ to 3 bushels	11 pounds
Perennial Rye Grass	Stiff lands and rich bottoms	$2\frac{1}{2}$ to 3 bushels	20 pounds
Wood Meadow	Loamy and stiff uplands	2 to $2\frac{1}{2}$ bushels	20 pounds
Rough Stalked Meadow	Low, wet and shady situations	$2\frac{1}{2}$ to 3 bushels	14 pounds
English Rye Grass	Moist, sheltered and low situations	3 bushels	14 pounds
Sweet Vernal Grass (annual)	Moist, sheltered and low situations	2 bushels	24 pounds
Sweet Vernal Grass (peren.)	Stiff land and rich, loamy soil	2 bushels	11 pounds
Meadow Foxtail	Stiff land and rich, loamy soil	3 bushels	11 pounds
Crested Dogtail	Light, loamy or stiff soil	$1\frac{1}{2}$ to 2 bushels	8 pounds
Sheep Fescue	Light, loamy or stiff soil	$2\frac{1}{2}$ to 3 bushels	21 pounds
Sheep Fescue—fine leaved	Dry, light soil	35 pounds	12 pounds
Hard Fescue	Light, loamy soil	30 pounds	14 pounds
Various Leaved Fescue	Cold, moist land, and shady lawn	30 pounds	15 pounds
Meadow Fescue	Moist and low situations	2 bushels	15 pounds
Tall Fescue	Moist and shady situations	2 bushels	5 pounds

GRAINS, RYE, WHEAT, ETC.

At the Lowest Market Rates and of the Best Quality

Buckwheat

48 Pounds to the Bushel; 1 Bushel to the Acre
JAPANESE. The most valuable kind grown. Very distinct and superior. Grain is larger than that of any other variety; does not need to be sown as thickly. Long straw.

SILVER HULL. A very prolific yielder, with the grain of a light, silvery gray. Makes pure, white, nutritious flour.

Vetches or Tares

SPRING. Culture same as field peas. Sow $1\frac{1}{2}$ bushels per acre.

WINTER. Also called sand or hairy vetch. Recommended for fall sowing with rye. $1\frac{1}{2}$ bushels per acre.

Rye

56 Pounds to Bushel; 1 to $1\frac{1}{2}$ Bushels to Acre

SPRING RYE. One of our specialties. Valuable for sowing where winter grain has been killed. Ripens early; produces an abundance of grain and straw.

WINTER RYE. The standard variety used for fall sowing.

Dwarf Essex Rape

48 Pounds to Bushel

Makes excellent pasture for sheep and cattle within six weeks from time of sowing. Sow in May or August; 15 pounds to the acre broadcast, 10 pounds per acre in drills.

Barley

48 Pounds to Bushel; 2 Bushels to Acre
TWO-ROWED. Best for threshing large, plump seed.

SIX-ROWED. Sown largely for fodder.

SUCCESS BEARDLESS. A six-rowed variety that is practically free from the poisonous beard. It is early and productive.

Japanese Millet

32 Pounds to Bushel

Very productive; an excellent fodder. Sow in May and June; broadcast, 15 to 20 pounds to acre, or in drills, 8 pounds to acre.

HARDY NORTHERN GROWN SPRING and WINTER SEED WHEAT. Be sure and get our prices, if interested.

Hardy Nothern Grown SPRING and WINTER Seed Wheat

BE SURE AND GET OUR PRICES IF INTERESTED

THE ESSENTIALS TO THE PRODUCTION OF GOOD VEGETABLES AND BEAUTIFUL FLOWERS

Good Soil A rich, sandy loam is the best, but a fair degree of success may be secured from any soil which can be made rich and friable. Vegetables of the best quality cannot be grown on barren sand, a cold, hard, lumpy clay, nor in the shade of orchard or other trees.

Liberal Manuring A soil which does not need enriching in order to produce the best results is rarely found and very often success is in proportion to the liberality with which fertilizers have been used. Well decomposed stable manure where straw bedding has been used is the best; manure where sawdust has been used is not so good. Often wood ashes at the rate of one peck up to one bushel to the square rod will be of great benefit.

When good stable manure is not available, commercial fertilizers may be used at the rate of four to twelve pounds to the square rod and the more concentrated forms such as Nitrate of Soda, Guano, Dried Blood and Potash Salts, at the rate of one to six pounds to the rod, the larger amounts preferably in three or four applications and at intervals of about ten days. A mass or lump of any of the commercial fertilizers, even if it is but a quarter of an inch in diameter, is liable to kill any seed or young plant which comes in contact with it, so it is very important if such fertilizer be used that they be thoroughly pulverized and mixed with the soil.

Thorough Preparation Rich soil and liberal manuring will avail little without thorough preparation. The soil must be made friable by thorough and judicious working; if this is well done all that follows will be easy; if it is neglected, only partial success is possible and that at the cost of a great deal of hard work.

The garden should be well ploughed or dug to a good depth, taking care, if it is a clay soil, that the work is not done when it is too wet. If a handful from the furrow moulds with slight pressure into a ball which cannot be easily crumbled into fine earth again, the soil is too wet and if stirred then will be hard to work all summer. The surface should be made as fine and smooth as possible with the harrow or rake. It is generally desirable to plow the whole garden at once and to do this in time for the earliest crops, but the part which is not planted for some weeks should be kept mellow by frequent cultivation.

Good Seeds Properly Planted There is no more prolific source of disappointment and failure among amateur gardeners than hasty, careless or improper sowing of the seed. A seed consists of a minute plant enclosed in a hard and more or less impervious shell with a sufficient amount of food stowed in or around the germ to sustain it until it can expand its leaves, form roots and provide for itself. Moisture, heat and a certain amount of air are necessary to secure germination. The germinating seed first absorbs water and swells. The starchy matters gradually become

soluble. The seed-coats are ruptured, the rootlet emerges to go downward and the stemlet starts upward. The embryo lives for a time on the stored food, but gradually the plantlet secures a foothold in the soil and gathers food for itself. Germination is complete when the plantlet is able to shift for itself.

A dry seed may retain its vitality and remain unchanged for years, but after germination has commenced a check of a day or two in the process may be fatal. There is no time in the life of a plant when it is so susceptible of injury from the over-abundance or want of sufficient heat and moisture as at the period between the commencement of germination and the formation of the first true leaves. It is just then that the gardener should aid in securing favorable conditions. These are:

First—A proper and constant degree of moisture. The soil should always be kept moist, never wet. To secure this cover the seed as soon as it is planted with well pulverized, freshly prepared earth pressing it firmly over the seed. This firming of the soil is very important as it brings the particles of earth into close contact with seeds and roots, prevents the drying out of the soil and facilitates quick growth. The best results are obtained in small gardens by laying a board on the row and then walking upon the board, or the back of the hoe may be used, but for truck farms and field crops a roller is equally satisfactory.

Second—A proper degree of heat, secured by sowing the seed when the temperature of the soil is that most favorable to the germination of the seed of that particular plant. Too high a temperature is often as detrimental as one too low. The proper temperature for each sort may be learned from a careful study of the following pages and the experience of the most successful gardeners in your vicinity.

Third—Covering the seed to such a depth that while a uniform degree of heat and moisture is preserved the necessary air can readily reach the germinating seed and the tiny stem push the leaves into the light and air. This depth will vary with different seeds and conditions of the soil and can be learned only from practical experience. In general, seeds of the size of the turnip should not be covered with more than half an inch of earth pressed down, while corn may be an inch, beans an inch to two inches and peas one to three inches deep.

Fourth—Such a condition of soil that the ascending stem can easily penetrate it and the young roots speedily find suitable food. We can usually secure this by thorough preparation of the ground and taking care never to sow fine seeds when the ground is wet. Occasionally a heavy or long continued rain followed by a bright sun will so bake and crust the surface that it is impossible for the young plant to find its way through it, or a few days of strong wind will so dry the surface that the young plants will be killed. In such cases the only remedy is to plant again.

SPRAYING CALENDAR

This calendar, based upon the recommendations of the Agricultural Colleges and Experiment Stations of the country, is a brief guide for the general treatment of insect pests and plant diseases.

Timeliness is one of the greatest factors in the control of diseases and pests; in order to spray intelligently, that is, to strike at the proper time, one should know at least the main facts in the life-history of the insect or disease sprayed against. Moreover, it will pay to remember that, for nearly all fungus diseases and some insects, spraying is a preventive; and to be most effective must be done at the time when attacks may be expected, without waiting for the enemy to become apparent.

Spray only on clear, sunny days and finish the work early in the afternoon, so that the application will dry rapidly and before dew falls. Spray evenly and thoroughly, using ample pressure and a nozzle that throws a fine mist, but do not continue until the foliage drips. Never spray when the trees are in blossom.

In general terms:

POISONS, such as Arsenate of Lead and Pyrox are used to control leaf-eating insects. Examples Canker Worm, Potato Beetle.

CONTACT INSECTICIDES, such as Tobacco Extracts, Soap Sprays, Kerosene Emulsion, etc., are used in fighting sucking insects. Examples Plant Lice, Squash Stink-bug. Sucking insects will not be killed unless they are **hit** by the spray.

Bordeaux Mixture and Lime-Sulphur are for use against plant **DISEASES**.

Plant	Enemy	Spray	1st Application	2d Application	3d Application
Apple	{ Bud Moth Codling Moth Scab Curculio	{ Arsenate of Lead and Bordeaux. Lime-Sulphur may be used instead of Bordeaux Lime-Sulphur Pyrox	{ Just before blossoms open. Autumn after leaves have fallen	{ Immediately after petals fall. Early Spring before leaf buds swell	{ 10 days later. If badly infested make both applications.
	San Jose Scale				
Cabbage Cauliflower	{ Green Worms	{ Arsenate of Lead if plants are not heading Pyrox	{ If heading, apply Hellebore.		
Carnation	{ Red Spider Rust	{ Clear Water Copper-Sulphate, 1 lb. to 20 gals. water.	{ Syringe off the plants 3 times a week, being careful not to drench [the beds. In the greenhouse once in 2 weeks. In the field once a week.		
Cucumber Melon Squash	{ Wilt Mildew Striped Beetle Borer	{ Bordeaux Bordeaux As soon as stems are long enough cover the joints with earth so that secondary joints will develop.	{ Middle of July Keep the vines well sprayed to make them distasteful to the beetles.	{ 10 days later After blossoming	
Currant Gooseberry	{ Currant Worm Mildew	{ Arsenate of Lead and Bordeaux Bordeaux	{ As soon as worms appear Before leaf buds open	{ Use Hellebore after fruit is half grown. After blossoming	
Grape	{ Flea-beetle Mildew	{ Arsenate of Lead Bordeaux	{ Before blossoms open Before blossoms open	{ When fruit has set	{ 2 weeks later.
Peach and Apricot	San Jose Scale	See under Apple			
	Peach Leaf-curl	{ Lime-Sulphur or Bordeaux. Pyrox	{ Dormant season before buds swell When shucks are shedding from the young fruit	{ One month after petals fall.	
	Curculio	{ Arsenate of Lead	{ One month after petals fall	{ One month before fruit ripens	
	Scab and Brown-rot	Self-boiled Lime-Sulphur 8-8-50			
Pear	{ Psylla Codling Moth Scab Scale	{ Tobacco extract See under apple	{ After blossoms fall	{ 5 to 7 days later	
Plum	{ Curculio Fungous diseases Scab	{ Arsenate of Lead See under Peach Soak seed before cutting for 90 minutes in corrosive sublimate 1 oz. to 7 gals. water.	{ Just after blossoms fall Plant in clean soil.	{ 1 week later	
Potato	{ Beetles Blight or rot	{ Arsenate of Lead and Bordeaux Pyrox	{ When plants are 6 or 8 inches high	{ 2 weeks later	{ Repeat every 2 or 3 weeks, omitting arsenate of lead if beetles are not in evidence. Wet spells followed by hot weather are favorable to development of rot and blight.
Raspberry Blackberry Dewberry	{ Anthracnose Red Rust	{ Bordeaux Dig up and burn all infected plants.	{ When new canes are 6 inches high	{ 2 weeks later	{ 2 weeks later
Rose	{ Rose-chaffer Leaf Spot Mildew	{ Arsenate of Lead Bordeaux Flowers of Sulphur	{ When beetles appear As soon as spots appear Dust every 10 days if necessary.		{ Repeat when necessary Repeat when necessary
Strawberry	Leaf Spot or Rust	Bordeaux	3 or 4 times during the season.		

For Plant Lice (Aphids) use Tobacco Extracts or Soap Sprays on all Plants

VARICK'S SELECTED LIST OF LAWN AND GARDEN TOOLS, ETC.

PLEASE NOTE: THAT PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

Asparagus Knives— 35c



Axes, Handled— \$1.35

Baskets

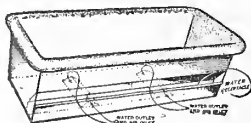
- Farmers' Best Oak Splint
 $\frac{1}{4}$ bu. 45c, $\frac{1}{2}$ bu. 55c, bu. 80c
 Oxford Garden Basket
 $\frac{1}{4}$ bu. 40c, $\frac{1}{2}$ bu. 50c, bu. 70c
 Flower Picking Baskets 50c and 75c



Bouquet Holders of tin painted green 10c

Bouquet Holders of glass 35c

Iron Bouquet Holders painted green 25 to 45c



Boxes Galvanized Window, 24-inch, \$1.25

Boxes Galvanized Window, 30-inch, \$1.50

Bush Hooks common, \$1.25



Forks, Manure—

- 4-Tine, Long Handle, 95c
 4-Tine, Iron D Handle, \$1.00
 5-Tine, Long Handle, 1.20
 5-Tine Iron D Handle, 1.25
 5-Tine, Wood D Handle, 1.45
 6-Tine, Long Handle, 1.35
 6-Tine, Iron D Handle, 1.45
 6-Tine, Wood D Handle, 1.60

Manure Forks
95c. and up

Potato Digging Forks 90c, \$1.00

Stone Picking Forks \$1.25

Forks, Spading 4-Tine, long handle, strapped, \$1.15

Forks, Spading 4-Tine, Iron D handle, strapped, \$1.20

Forks, Hay

- 3-Tine, 13-inch, 3 to 4½-ft. handles, 90c
 3-Tine, 13-inch, 5 to 6-ft. handles, 95c and \$1.00
 3-Tine, 14-inch, 3 to 4½-ft. handles, 95c
 3-Tine, 14-inch, 5 to 5½-ft. handles \$1.00 and \$1.10

Forks, Barley \$1.20

Fruit Pickers common, 25c

Fruit Pickers basket, open at side, 25c

Flower Bed Border



16 in. high
12 foot

22-in. high
14c foot

Paper Flower Pots

2½ in. 10c doz., 4 in. 12c doz.

Grafting Wax

¼ lb. 15c, ½ lb. 20c, 1 lb. 35c

Grafting Knives "Pocket," extra heavy 75c and 90c



Grass Catchers

- 12 to 15-inch \$1.25
 16 to 18-inch 1.35
 19-inch and larger \$1.50

Grass Hooks

35c to 75c



Children's Garden Sets

15c, 35c, 65c, up to \$2.00

Handles

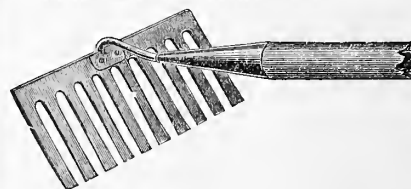
- Manure Fork 55c and 60c
 Spading Fork 80c
 Coke Fork 75c
 Bent Hay 40c to 75c
 Hoe 30c
 Rake 40c
 Mal. D's only 10c
 Ferrules 10c

Hatchets Axe pattern, 95c to \$1.15

Harness Punch Revolving, 4-tube 65c, 6-tube 75c

Hoes

- Garden, 7½-inch and 8-inch Field Socket, 75c
 Garden, 7½-inch and 8-inch Field Shank, 70c
 Garden, 9, 9½-inch Meadow Socket, 85c to 90c
 Ladies' 55c Boys' 65c
 Square Top Onion, 75c



Humphrey Hoes 85c

Scuffle Hoes 80c

"Pull Easy" Weeder adjustable 7 to 18 inches, \$1.50

Weeder Hoes 4-point 50c, 6-point 65c



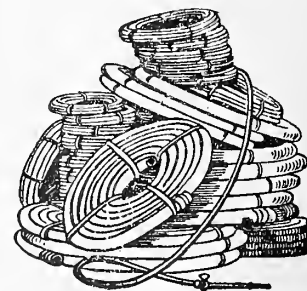
Norcross Hand Weeder

5 Prong \$1.00, 3 Prong 65c, Midget 35c

Socket Corn Hoes 80c

Hedge Shears Best of English steel, \$1.75 to \$4.25

Rubber and Cotton Garden Hose



Sold under our binding guarantee.
 $\frac{1}{2}$ -in. size, 12c foot $\frac{3}{4}$ -in. size, 14c foot
 This price includes couplings, either 25 or 50-foot lengths.

To buy cheaper hose is to invite endless trouble. Poor hose is dear at any price.

Lawn Sprinklers 60c to \$4.00**Lawn Hose Reels****\$1.65 to \$3.25**

According to style

**Galvanized Hose Clamps**

½-inch size, each 4c
¾-inch size, each 5c

Made of strong spring steel.

**Hudson Hose Mender Pliers 25c**

Brass Tubes for
½-inch Hose, 5c
¾-inch Hose 6c

Brass Bands for ½ or ¾-in. Hose, each 2c

Fairy Hose Nozzles

Best nozzle made. Spray or stream,
Brass, 75c
Full Nickel Plate, 85c

Hose Couplings

For ½ or ¾-in.
hose, each 25c

Boston Style Hose Nozzle

Price, 60c

"Auto Kut" Low Price Lawn Mowers

For the benefit of those who want a low-priced mower, and for those who have but little grass to cut, we offer the best cheap mower made. While the prices are as low as "department store" prices, yet the mower will be found much better, both in quality of knives and kind of work.

14 in. cut	16 in. cut	18 in. cut
\$5.00	\$5.25	\$5.50

The Old Reliable Low Wheel Great American

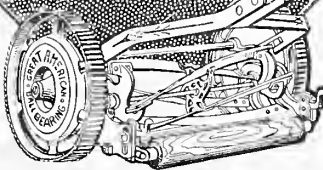
Lawn Mower No better lawn mower ever made. We have sold the Great American for many years and have yet to find its superior. 7-inch wheels, either open or solid cylinder.

14 in. cut	16 in. cut	18 in. cut
\$9.50	\$10.50	\$11.50

Great American

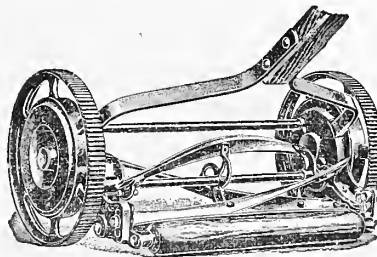
BALL-BEARING
LAWN MOWERS

cost a
little more
but —

**Great American Ball Bearing Lawn Mower**

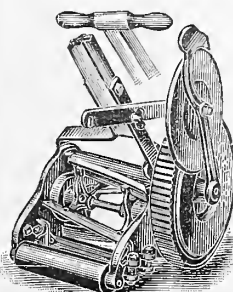
The best and lightest working mower made. A 21-inch cut pushes as easily as an ordinary mower of only 16-inch cut; cuts high grass with greatest ease and leaves the lawn smooth as velvet and free from corrugation.

15 in. cut	17 in. cut	19 in. cut	21 in. cut
\$13.00	\$14.50	\$16.00	\$17.00

The Durham Ball Bearing Lawn Mower

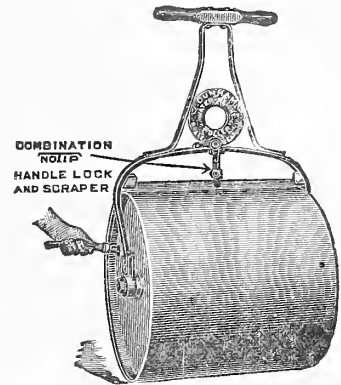
A very high class mower at a medium price. 10-inch wheels, 5 knives.

16 in. cut	18 in. cut	20 in. cut
\$9.00	\$9.50	\$10.00

Capitol Lawn Trimmer

Price \$7.00

The latest and best machine for trimming grass close up to the fence or wall, thus reducing hand work with shears to a minimum. It will also be found handy for trimming up around trees, under bushes, etc. It cuts 6 inches in width.

Rollers for Garden and Lawn

Just the thing for rolling the lawn tennis court or driveway. Made in one, two or three sections. Extremely easy to handle and turn. Weight 75 to 500 lbs. Made with beveled edges; run easily and will not tear the turf when turned about. Prices:

\$11.00 and \$13.00

The Grasshopper The best low-priced ball bearing lawn mower. Light running, noiseless, leaves the lawn smooth and free from corrugation.

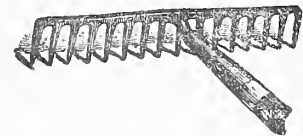
14 in. cut	16 in. cut	18 in. cut
\$6.00	\$6.25	\$6.50

Pruning Shears 35c to \$1.00

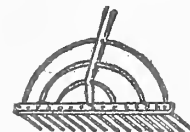
Tree Pruners 6 ft. handle 75c
8 ft. 80c, 10 ft. 85c, 12 ft. \$1.00
14 ft. \$1.15, 16 ft. \$1.25

Post Hole Diggers \$1.50

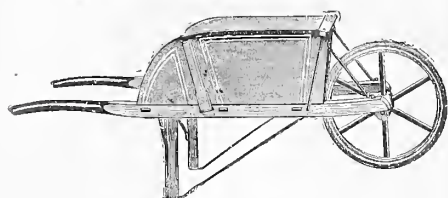
Raffia for tying plants, vegetables, etc.
35c lb.

**Rakes Steel 75c to 95c****Rakes Malleable Iron 45c****Wood Hay Rakes**

Extra, 2 Bow, 45c
No. 1, 2 Bow, 40c
Wood Lawn Rake 45c

**Hand Rake Teeth doz. 10c****Drag or "Bull" Rakes, 85c****Gibbs all Steel Lawn Rake, 60c****Saws Pruning, 75c to \$1.25**

Wheelbarrows



Granite State Hardwood Wheelbarrows

Painted green, removable sides, eight-spoke wheels, strongly braced, 20-inch steel tired wheel for

No. 2, Boy's Size **\$4.50**

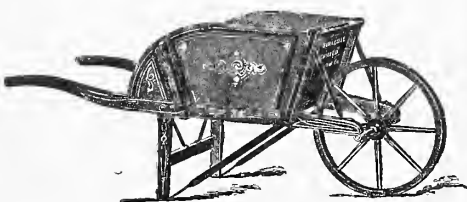
No. 3, Small Size **4.50**

No. 4, Medium **4.50**

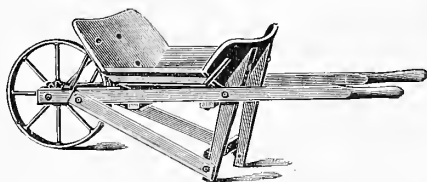
No. 5, Large **4.75**

No. 4 has steel wheels

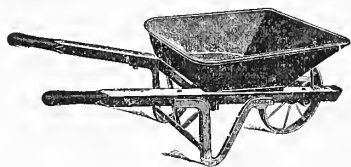
Amoskeag natural finish, **\$4.75**



Syracuse Extra quality, painted green with steel wheel. small size **\$5.50**
Medium **\$5.75** Large **\$6.50**



Climax Canal Barrow Steel wheel wood tray, **\$4.00**



Mortar Barrow with steel wheel, capacity 4 cubic feet, tray 26 by 34 inches, **\$10.00**

Tubular Steel Barrows Made of 15 Ga. Steel, capacity 3 cubic feet, tray 29 by 32 inches, **\$9.75**

NOTE—Special prices to contractors and others in dozen lots or more.

Scythes



Durham, **\$1.25**

Sibley's Clipper, **\$1.15**

Sibley's Solid Steel, **\$1.25**

\$1.25

\$1.25

\$1.25

5c to 25c

Sibley's Bramble,
Sibley's Bush,
Rifles and Stones,

Snaths

Ash, **\$1.00**

Bush, **\$1.25**

Cherry, **\$1.25**

Sod Lifters **\$1.50**

Sickles or Grass Hooks **35c to 75c**

Shears

Grass or Sheep **25c to \$1.50**

Grass Borders or Lawn, with wheel, **\$3.75**

English Hedge, **\$1.75 to \$3.00**

Shovels Round or Square Point, Long or D. Handles, **\$1.10 to \$1.75**

Spades **\$1.10**

Stakes for Plants For Greenhouse, Conservatory or Garden use. Painted green, small and inconspicuous, but strong and very useful for small plants 24 in. high, **3c each**, 36 in. **6c each**, 48 in. **8c each**, 60 in. **10c.**

Tomato Supports

Cyclone **\$4.00 doz., 40c each**

Handy **\$2.50 doz., 25c each**

Turf Edgers **95c**

Trowels and Weeders **7c to 25c**



Excelsior Weeder



Ordinary Trowel

Galvanized Watering Pots

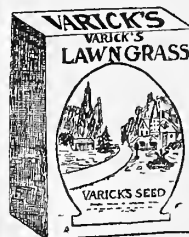


Hold 4 qts. to 16 qts.

each 75c to \$1.25

According to size.

Varick's Lawn Grass Seed

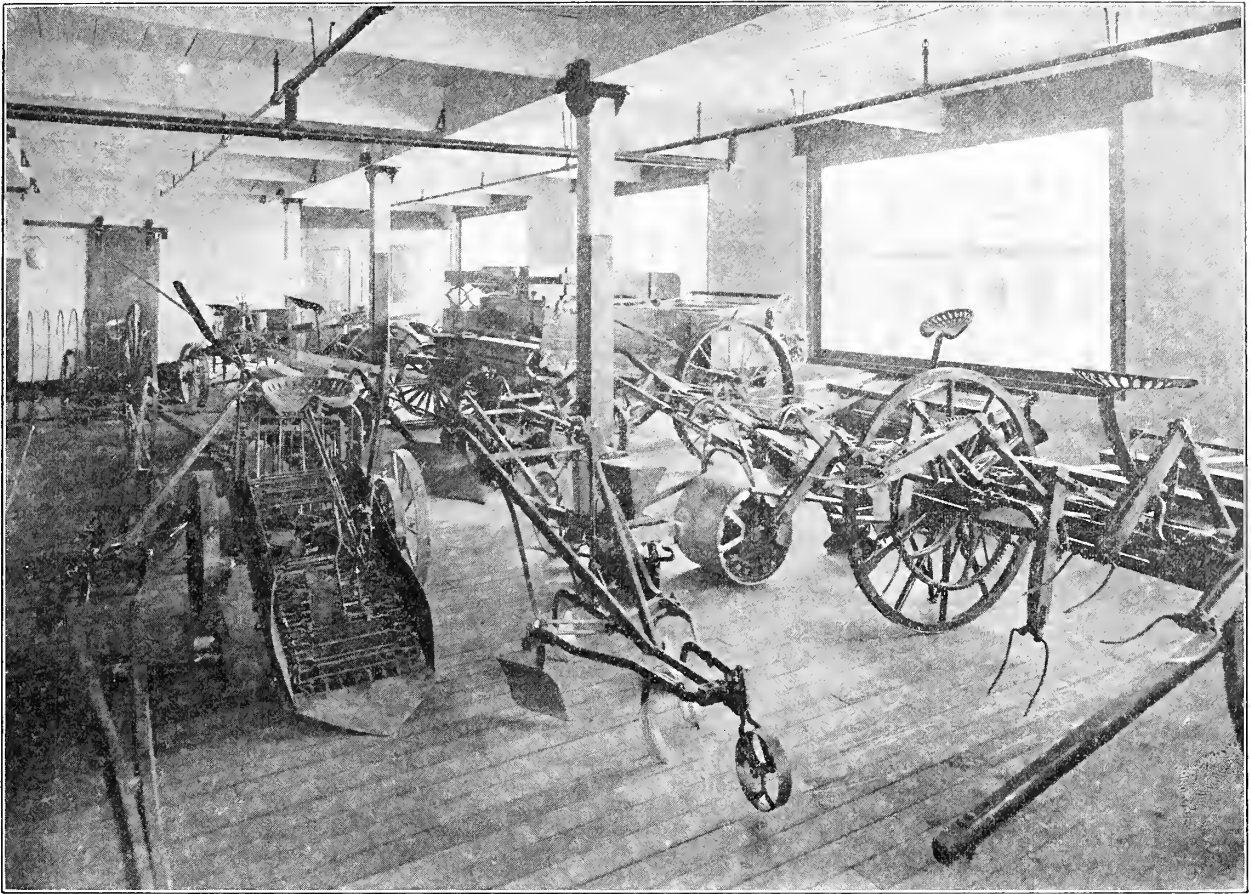


produces a perfect and enduring lawn of luxuriating richness with closely interwoven, firm, deep and elastic turf and is usually ready for cutting six weeks from time of sowing. One pint carton, **10c.** One qt. carton, **20c.**

**Varick's
Reliable Seeds
Are
Guaranteed
to Please
Why Chance
Others?**

Remember, we have no Food Surplus carried over to help out should we face a crop shortage or a crop failure this year.

Don't wait until it is too late---be sure to grow the biggest and best bumper crops this year you have ever grown.



(Agricultural Implements and Farm Machinery at our Agricultural Warehouse)

At Our New Agricultural Warehouse, Known as Our Depot Street Store

The Largest and Most Complete Agricultural Warehouse in New England

WE HAVE A COMPLETE LINE OF

Agricultural Implements

Farm Machinery, Dairy and Poultry Supplies, Gasoline and Kerosene Engines, Electric Light Outfits, Wagons, Harness, Wood Sawing Outfits, Ice Harvesting Tools and Machinery

AT OUR DEPOT STREET STORE

(COR. FRANKLIN AND DEPOT STS.,) WE SELL

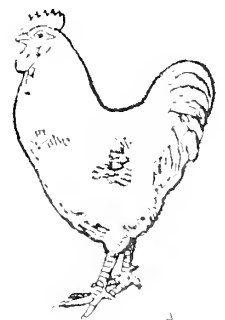
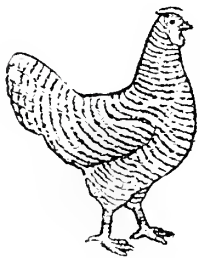
Fancy Poultry and Pet Stock

Bring in your Poultry, Dogs and Pet Stock, if you have any For Sale.

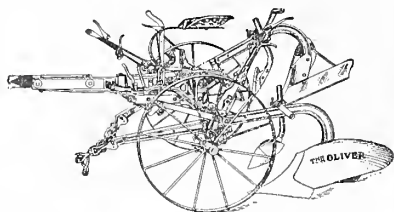
All our Poultry Supplies are sold at both our Depot Street and at our Elm Street Stores.

Dogs, Rabbits of All Kinds

We exhibit them in our windows and charge you a small commission for selling



The Oliver Reversible Sulky Plow

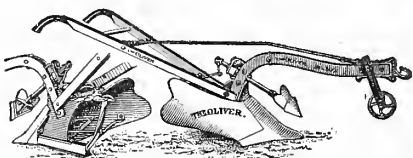


The acknowledged leader of its class; its construction is the best throughout, being a combination of strength, lightness and durability. The name OLIVER on a plow is for the protection of the purchaser; it is a horse lift plow; a boy old enough to drive a team can operate the plow with ease.

Price \$100.00

**All Prices Subject to Change
Without Notice**

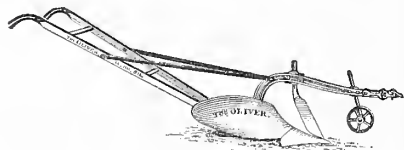
The Oliver Hillside Plow, No. 524



The Oliver Hillside Plow, No. 524, is a strong, iron beam, two-horse plow adapted especially for plowing in gravelly and stony ground and on heavy soils. The beam and standard are cast in one piece, making a beam that cannot possibly spring out of place.

Price \$23.00

The Oliver Chilled Landside Plow, No. 83

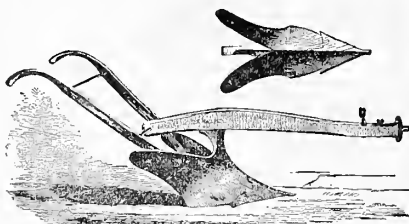


A general purpose plow for difficult plowing. Especially adapted for use in cobble or flat stony land, where a deep, narrow furrow is required.

Price \$22.00

To make your garden successful, you must have SEEDS. If you are willing to pay a fair living price, you will find them in this book from cover to cover. Nothing better obtainable, guaranteed to please.

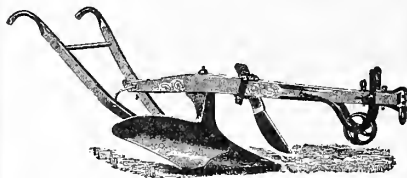
Double Mouldboard Plow, No. 1 1/2



Our Double Mouldboard Plow is a one-horse plow used for making drills to plant potatoes, corn, etc. It is often used for plowing between rows and throws the earth both ways to the plant, thus doing the work of two plows; many farmers use it for digging potatoes. It is a convenient plow for many kinds of work, such as ditching, etc., and should be kept on all farms.

Price \$9.00

Doe's Improved Plow



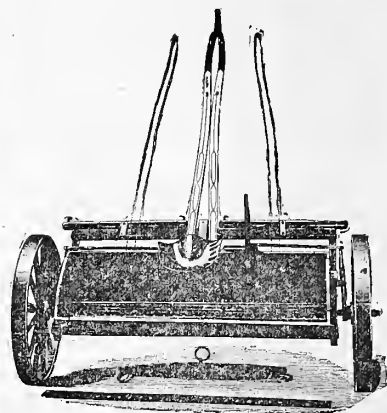
E 0—Plain	\$ 7.00
E 0—with Wheel	8.50
E 1—Plain	8.25
E 1—with Wheel	9.50
E 1—with Wheel and Cutter	11.50
E 2—with Wheel and Cutter	14.00
E 3—with Wheel and Cutter	15.00

The Old Reliable '76 Swivel Plow



76 C—Light 1 Horse with wheel, \$ 9.00	
76 C—Light 1 Horse with wheel and cutter	10.00
76 B—Light 2 Horse, wheel, shifting cutter, steel mould board	15.75
76 B—Light 2 Horse, wheel, shifting cutter, iron mould board	13.50
76 A—Medium 2 Horse wheel shifting cutter, iron mould board	14.50
76 A—Medium 2 Horse, wheel shifting cutter, steel mould board	17.50

Stevens' Fertilizer Sower



Combining Simplicity, Strength, and Durability. They have no Superior for Sowing. All kinds of Commercial Fertilizers broadcast or in rows.

Size	Capacity	Price
1-Horse, 5ft. 10in.,	6 Bushels,	\$48.00
2-Horse, 8ft. 3in.,	9 Bushels,	53.00
2-Horse, 10ft.	11 Bushels,	57.00

Wing Shovel Plow with Wheel

Price \$4 75

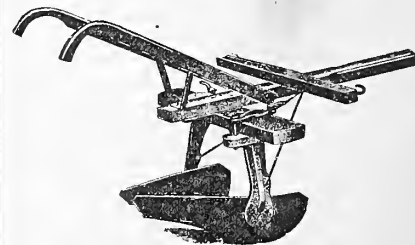


Improved 76 Wing Shovel Plow with Wheel

as above except that it has iron, instead of wood, standard.

Price \$5.50

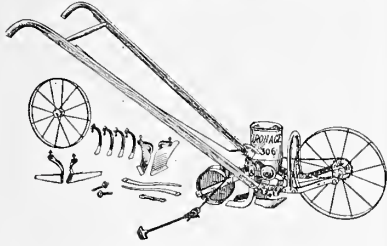
No. 76 Wing Potato Hoe



The Improved Potato Hoe is, as its name indicates, especially adapted for hilling potatoes, banking celery, and also as a coverer. It is much used as a "marker" for different crops, making the rows parallel and equally distant.

Price \$10.00

"Iron Age" Cultivators, No. 306 R
Combined Hill and Drill Seeder, Double and Single Wheel Hoe



Many men should use combination tools for two reasons: they save in first cost and they take up less room. Four tools in one: Drill Seeder, Hill Seeder, Double Wheel Hoe, Single Wheel Hoe. Complete with all tools shown here.

Price \$20.00

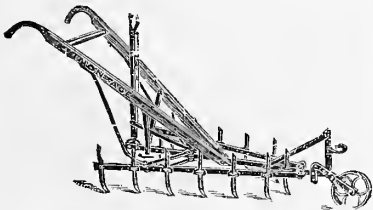
"Iron Age" Double and Single Wheel Hoe, No. 301 R



This tool is exactly like No. 306 R except that it does not include Fig. No. 334 Hill and Drill Attachments. Latter can be applied at any time. No. 301 R regular outfit of tools includes pair of Side Hoes, pair of Plows, pair of Rakes 6-tooth, four all-steel Cultivator teeth.

Price, \$12.00

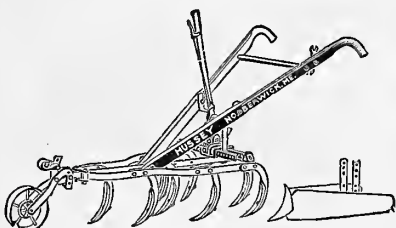
"Iron Age" No. 1014 E. P.



Combined Diamond-tooth Harrow and Cultivator.

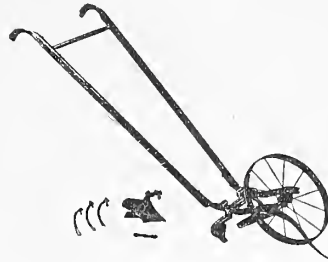
Price, \$10.50

Hussey Cultivator, No. 8



Cultivator with long wings, 8 teeth
Price, \$11.50

"Iron Age" Single Wheel Hoe, No. 320 R



A lower priced, lighter weight tool than No. 301 R., but strong and durable. The working tools with every No. 320 R., include pair Side Hoes, pair Rakes 6-tooth, three all-steel Cultivator teeth.

Price, \$9.00

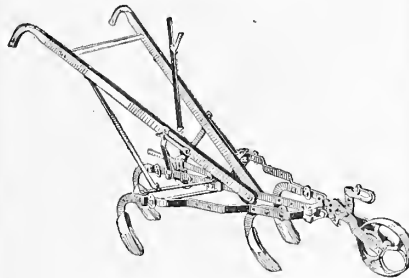
"Iron Age" Hill and Drill Seeder Attachment, Fig. 334



Same as furnished on No. 306 R. Can be readily attached to No. 301 R or 320 R.

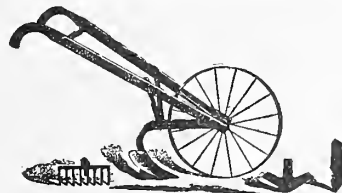
Price, \$8.50

McCormick, No. 53



Cultivator with long wings
Price, \$12.00

No. 2 Climax Cultivator

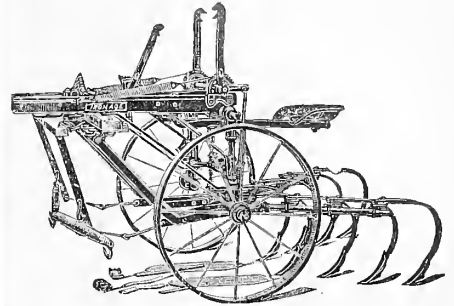


This Garden Cultivator has made a reputation and the 24 inch high wheel makes it an implement which will serve any purpose desired.

Price, \$5.00

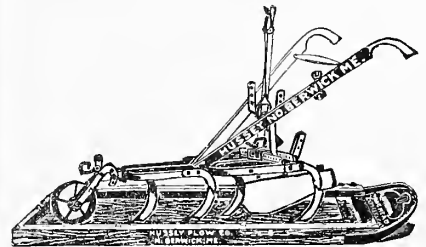
Complete "Iron Age" Catalogue Free on Application

"Iron Age" Riding Cultivator



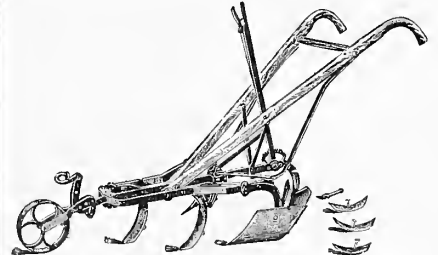
Fixed or Pivot Wheels, one lever shifts both gauges for width. Fitted with 8 spring teeth. Price, \$49.00.

Hussey Cultivator, No. 1



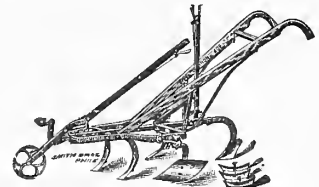
5 Teeth with long wings. Price, \$10.50

"Iron Age" Cultivator No. 600 E. P.



One Lever. Price, \$11.50.

"Iron Age" No. 600 E. L.



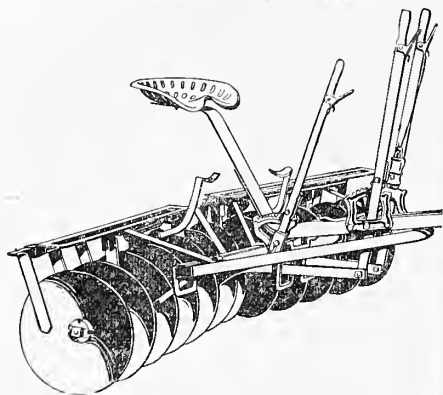
Two Lever Cultivator. Price, \$12.00.

Spike Tooth Smoothing Harrow



Teeth	Sections	Weight	Price
50	2	187 lbs.	23.50
60	2	203 lbs.	25.00

Worcester Disc Harrows



Complete with Neck Yoke and Whiffletree.

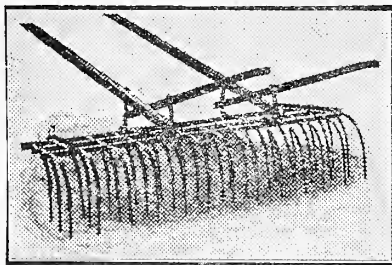
	Solid	Disc Diameter	Weight	Price
1-Horse	12	16-inch	411 lbs.	\$48.00
2-Horse	12	18-inch	437 lbs.	51.00
2-Horse	12	20-inch	487 lbs.	55.00

Cutaway

2-Horse	12	16-inch	411 lbs.	51.00
2-Horse	12	18-inch	437 lbs.	54.00
2-Horse	12	20-inch	487 lbs.	58.00

All Prices Subject to Change Without Notice

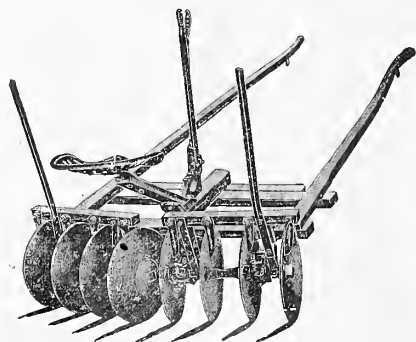
The "Worcester" Weeder



One of the best machines for level cultivation, will not injure the roots of growing crops, but kills out the weeds, and leaves a fine mulch on the surface of the ground.

Price \$11.75

1-Horse Yankee Harrow



8-16 inch solid discs, cuts 4 feet wide. A good serviceable implement.

Price \$34.00

"Never Mind the Wind—Sow any Time" THOMPSON GRASS SEEDER

THE "ORIGINAL" WHEELBARROW

This is really the greatest grass seeder made to-day. Not a toy, but a strong and durable implement specially designed and adapted to its use. It's easy—it only weighs 45 pounds. Does not throw the seed into the wind. Puts it on the ground lightly and evenly where it belongs, insuring the operator a good even catch. Strong and durable. We know of Thompson Seeders which have been in use 30 years which are thoroughly good and effective to-day.

12 and 14
Feet

Price
on
Application

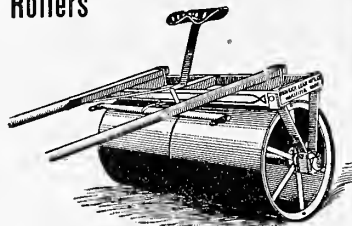


Wheelbarrow Seeders

are a most valuable implement for sowing all grass seeds broadcast. The quantity of seeds sown per acre is accurately governed by the wheel, which moves correspondingly slow or fast as the machine is run over the ground. For all sections where winds prevail, there is no machine made that will equal this implement for an even, accurate job of seeding. The quantity required per acre can be instantly changed by slipping a pin from one hole to another. These seeders run light and are not complicated.

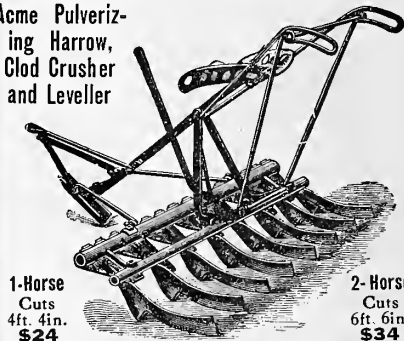
Seeds can be sown mixed or separate and in any quantity desired.

Land Rollers



1-Horse, 6 ft. by 24 inches, \$33.00
2-Horse, 8 ft. by 24 inches, 38.00

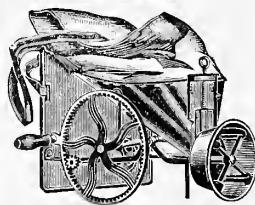
Acme Pulverizing Harrow, Clod Crusher and Leveller



1-Horse
Cuts
4ft. 4in.
\$24

2-Horse
Cuts
6ft. 6in.
\$34

The user of the "ACME" Harrow will find that although the season be dry, the seed bed prepared with an "ACME" Harrow will attract and retain sufficient moisture to carry it through to a successful crop.

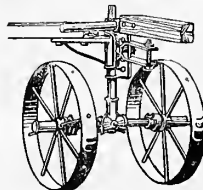


Cahoon's Improved Broadcast Seedsower

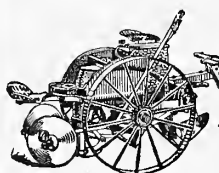
\$3.25

Pole Truck or Fore Carriage For Disc Harrow

Price \$8.50

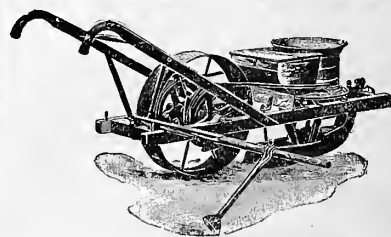


"Iron Age" Potato Planter, No. 400 R

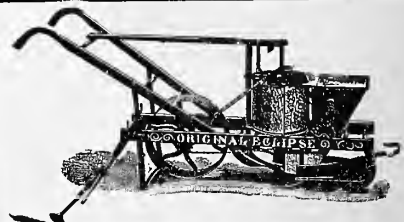


Price \$105.00

Steel frame planter. Every Iron Age Planter saves at least one bushel of seed per acre, sometimes as high as two; automatically places every seed piece as you want it, without a miss or a double and without injury, no skips to eat up the profits nor doubles to waste seed.



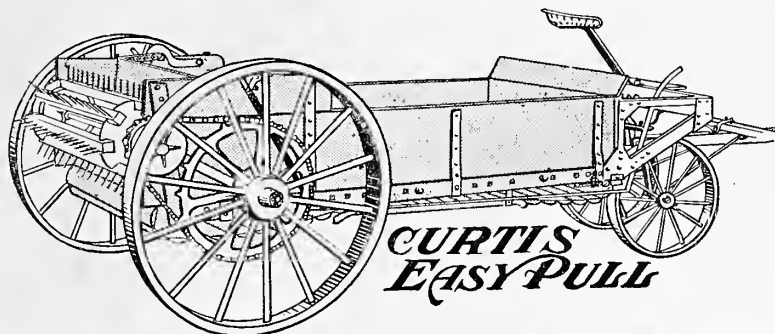
King of the Cornfield Plants Corn, Beans, Peas, Beets, etc. Quantity of seed and fertilizer regulated as desired. \$29.00



Eclipse Corn Planter Especially adapted to the wants of the New England farmer Sows both seed and fertilizer with perfect accuracy \$29.00

The "Curtis Easy Pull" Manure Spreader

Made in Three Sizes



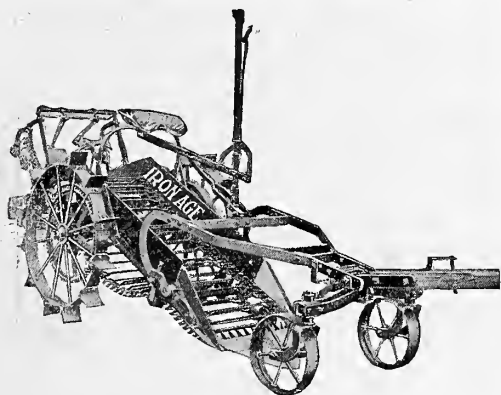
This new spreader, the "Curtis Easy Pull," is not a departure from the "Worcester Kemp," but a logical development of it, with a new feature of breaking the load in front of the beater and consequently a saving of the pull on horses and the strain and wear on the machine.

The load splits directly over the "hump in the floor" (a new feature). The beater catches it, already partly broken up. The beater does not have to tear the manure out of the load. The hump in the floor prevents the load from packing on its under side in front of the beater. The beater teeth raise the manure out and do not pack it back into the load. The load does not come up under, but comes down onto the beater. No pulverizer to prevent loading over the rear end. When loading, end gate is down; when spreading, end gate is raised and acts as a pulverizer.

Price on Application

Iron Age Elevator Potato Diggers

Operate successfully in extreme conditions

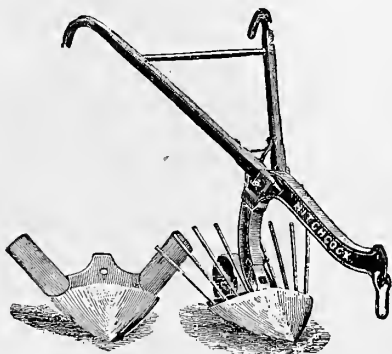


22-inch elevator, 32-inch wheels,
42½-inch tread, including lugs.

Drives with great power. Wide, long elevator. Separates thoroughly without injury to the crop. Has fine adjustment for the plow.

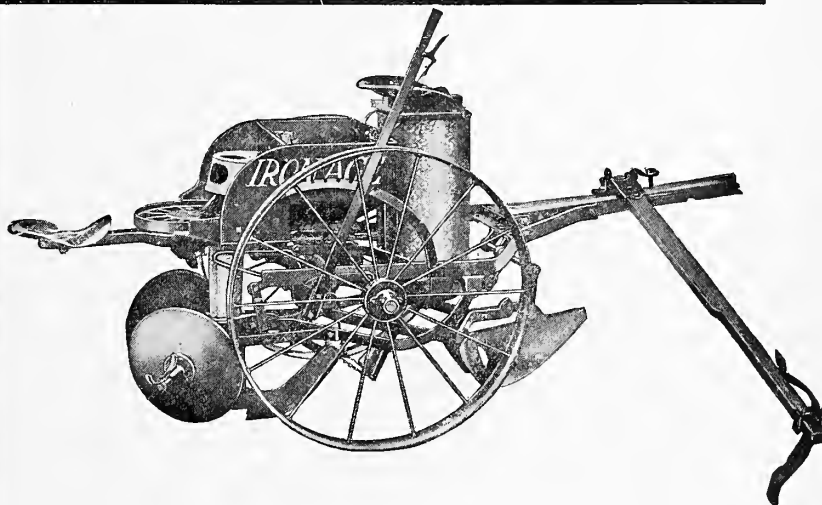
Price on Application

The Hitchcock Potato Digger and Shovel Plow Combined



For digging and hilling potatoes.

Price \$12.50



"Iron Age" Potato Planter

Steel frame planter, every Iron Age Planter saves at least one bushel of seed per acre, sometimes as high as two; automatically places every seed piece as you want it without a miss or a double and without injury, no skips to eat up the profits nor doubles to waste seed.

Price on Application

WE wish again to draw your attention to the unsettled condition in all business the country over (more or less directly caused by the European war, but largely by the failure of some, and shortage in other crops during the past season) which condition renders it impossible in issuing an annual catalogue to insert such prices as will be satisfactory for a year in advance.

We wish to say to our many patrons, that while we must reserve the right to increase prices over the ones here printed, should, unfortunately, market conditions make it necessary, we will also be very glad to REDUCE these same prices, should a happy combination of events give us that privilege.

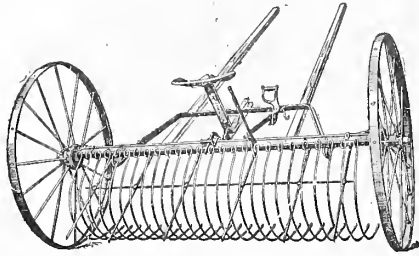
We hardly think it is necessary to add that we feel bound to all our friends, to give them the best prices possible, during the months of 1918, regardless of printed quotations.

JOHN B. VARICK CO.



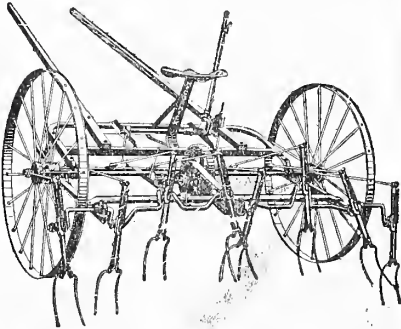
Gordon Rotary
Hand Corn Planter

Price \$2.00

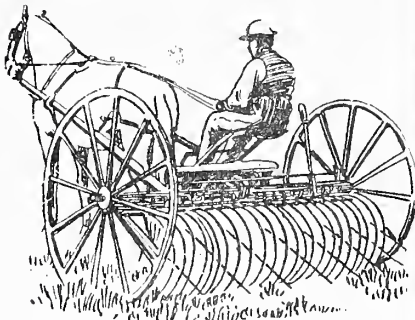
McCormick All Steel Horse Rake

Strength and simplicity are the two features of its construction.

Price on Application

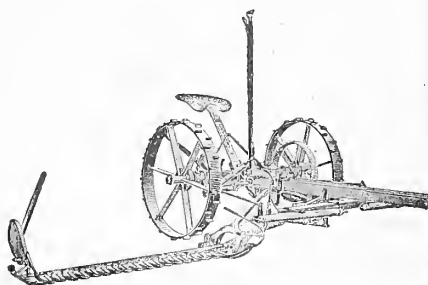
McCormick Steel Hay Tedder

Price on Application

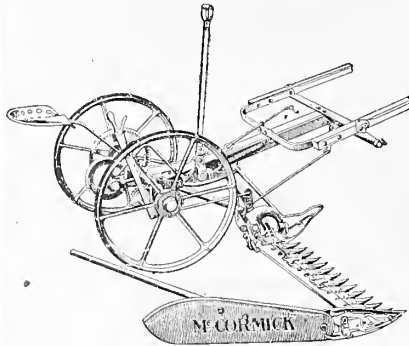
Worcester Champion Horse Rake

This rake will rake green hay and aftermath better than other makes. It has the sled runner tooth, is a self-dumping rake, and is easily operated. There are several imitations on the market. Be sure and get the genuine. 8 ft. 26 teeth.

Price on Application

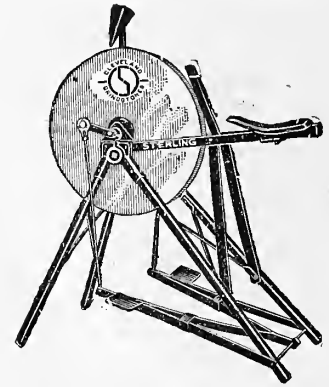
Worcester Buckeye Mowers

4-ft. Cut 5-ft. Cut. 6-ft. Cut
Always gives satisfaction
Price on Application

McCormick Mowers

4-ft. Vertical Cut, 5-ft. Vertical Cut, 6-ft. Plain Cut. You make no mistake when you buy this one.

Price on Application

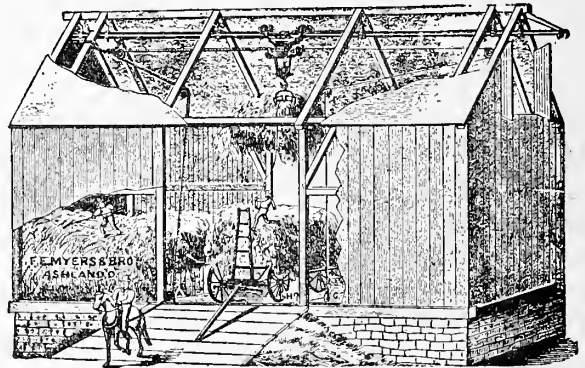
Sterling Bicycle Grindstone

Steel Frame, Ball Bearings, 2-inch diameter stone. Price \$7.00.

Reversible Steel Track Hay Carriers

No Barn is Complete Without One of These Rigs

Our carriers for rod, wood or steel tracks are the most durable and easiest rigs to operate of any on the market. Anyone with a hammer and wrench can rig his barn as well as an expert carpenter. We furnish everything necessary for rigging any style of barn. If you will send us the length and height of the barn and style of ridgepole, will name you price for complete job.

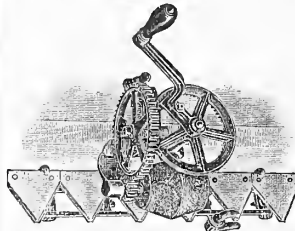
**Material Required for a Steel Track Outfit for Different Length Barns**

For a 40-foot Barn—One reversible carrier; 40 feet steel track; 21 hanging hooks; 21 rafter brackets; 5 pulleys; 1 fork; 6 floor hooks; 110 feet $\frac{3}{4}$ -inch Manila rope; 50 feet $\frac{3}{8}$ -inch trip rope.
For a 50-foot Barn—One reversible carrier; 48 feet steel track; 25 hanging hooks; 25 rafter brackets; 5 pulleys; 1 fork; 6 floor hooks; 130 feet $\frac{3}{4}$ -inch Manila rope; 55 feet $\frac{3}{8}$ -inch trip rope.
For a 60-foot Barn—One reversible carrier; 60 feet steel track; 31 hanging hooks; 31 rafter brackets; 5 pulleys; 1 fork; 6 floor hooks; 160 feet $\frac{3}{4}$ -inch Manila rope; 60 feet $\frac{3}{8}$ -inch trip rope.
Different lengths of barns will use track, hanging hooks and rope in same ratio as above.
Above estimates of rope are for an end hoist. In hoisting from center of barn less rope will be required.
When requesting quotations do not fail to give exact length of barn, whether ridgepole or full rafter, and distance between rafters. Also state whether you expect to hoist from end or center of barn.

SECTIONS FOR MOWERS AND REAPERS

All Knives and Sections Warranted.

Farmers may have their orders promptly filled by sending directly to us for sections for all kinds of machines. In ordering send size of section wanted.

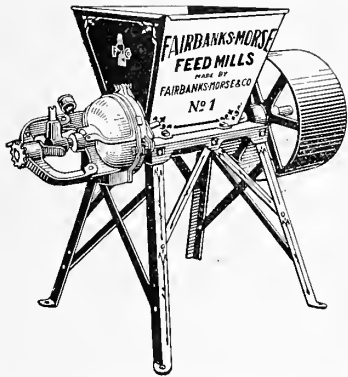


Double
Bevel
Knife
Grinder

It is poor economy to operate a mower with a dull knife, for it racks the machine and worries the horses. This grinder is so arranged that the emery wheel sharpens two mower sections at once and preserves the correct bevel. For grinding out nicks the degree of pressure may be regulated by a simple adjustment which enables the operator to control the action of the wheel and the pressure. The knife is firmly held in place by clamps and may be easily removed from section to section of the wheel; grinds any make of knife.
Price \$4.00

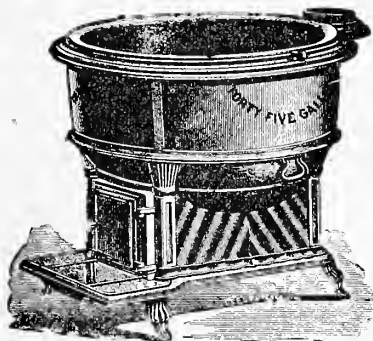
Samson Blue Frame Grindstone

No.	S150	S155	S160
Diameter	26-28 in.	21-25 in.	16-20 in.
Thickness	$2\frac{1}{4}$ - $2\frac{3}{4}$ in.	$2\frac{1}{4}$ - $2\frac{3}{4}$ in.	$2\frac{1}{2}$ in.
Price	\$6.00	\$5.75	\$5.50

**Feed Mill No. 1**

Capacity 8 to 30 bu. per hour.
Horse power required 3 to 6.

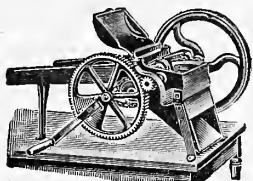
Price \$27.00

**Farmers' Boilers**

15 Gallon Size.....	Price \$22.50
22 Gallon Size	" 28.00
30 Gallon Size.....	" 34.00
45 Gallon Size.....	" 40.00



No. 7 Banner Root Cutter (for poultry)
Price \$5.00

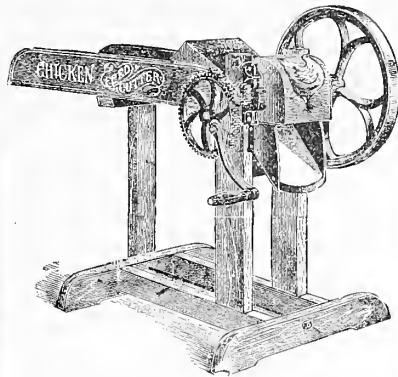


**New Model
Clover
Cutter**

(For Poultry)

No. 770

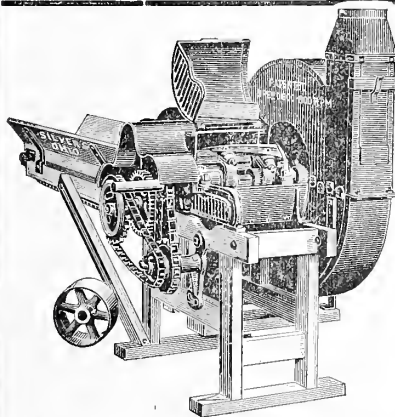
Price \$13.00

**Chicken Feed Cutter** (for Poultry)

Cuts one-fourth, seven-sixteenths and
three-fourths inches.

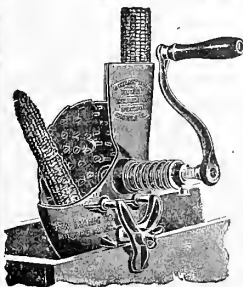
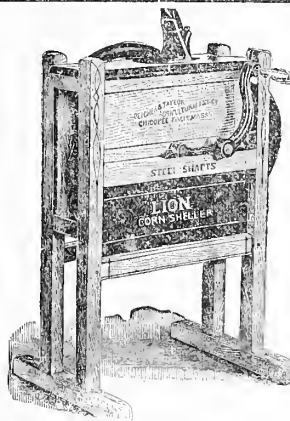
By a simple change of gears the longer cut can
be made, giving a desirable machine of fair capacity
for stock raisers, and we specially commend it to all
users of this class. Has three knives.

Price \$18.50



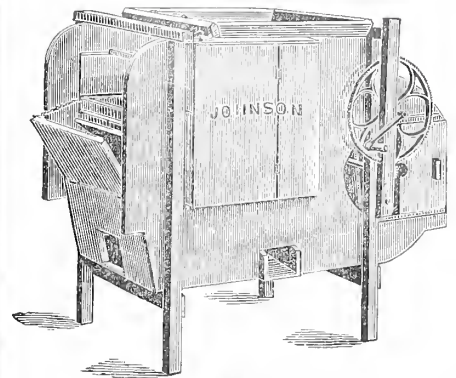
Ohio Ensilage Cutter and Blower
Price on Application.

**Lion
Corn
Sheller
with
Separa-
tor**
Price
\$11.00



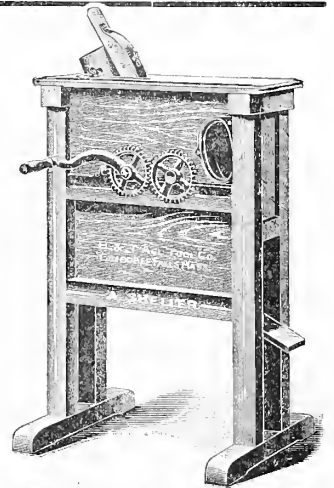
**Mann's
Corn
Sheller**

Price \$3.00

**Johnson's Fan Mill.** Price \$23 00

**No. A
Sheller
and
Separa-
tor**

Price
\$8.75

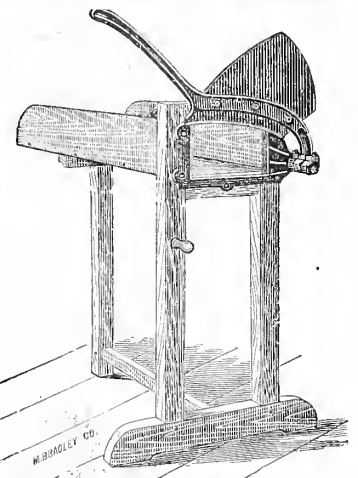


**Victor
Lever
Hay
Cutter**

With
Hawk
Bill
Knife

No. 2
Price
\$3.75

No. 2½
Price
\$4.50



**CHAMPION
VEGETABLE
CUTTER**



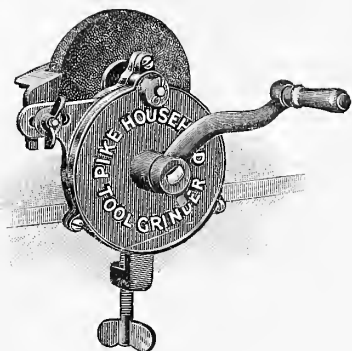
Price \$8 75



**Ohio No. 8½ 2K
Hand
Fodder Cutter**

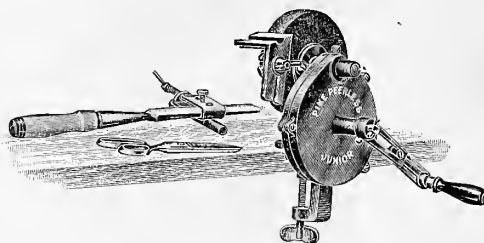
Price \$22.00

PIKE GRINDERS



8 in. x 4½ in., weight 6 lbs.
4 x ¼ corundum wheel.

Price \$3.00



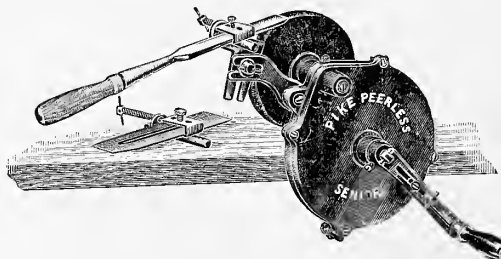
10 in. x 7 in. x 6 in., weight 8 lbs., medium grit, 5 x 1 wheel, green enamel finish, extension crank handle.

Price \$5.25



Family Grindstone, Steel Frame, Ball Bearings

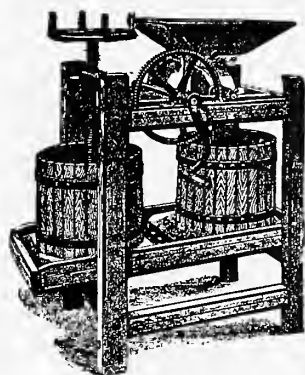
Price \$2.50



13 in. x 12 in. x 9 in., weight 16 lbs., medium grit 6 in. x 1 ¼ in. corundum wheel, green enamel finish extension crank handle.

Price \$6.25

Medium Farm Mill



This is a good sized mill for farmer's use. It is built with iron beam and heavy gearing and is perfectly adjustable for all kinds of fruit.

Price \$25.00

Stone Boat

(Complete)

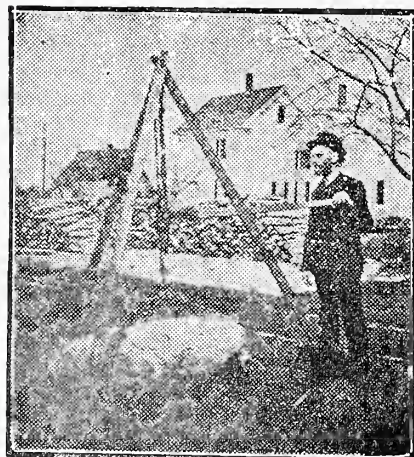
\$8.50



Steel Stone Boat

Head (only)

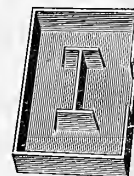
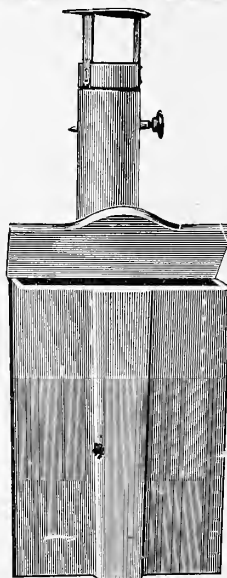
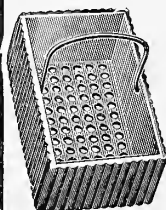
\$4.50



ST. ALBANS Stump Puller

with tripod

Price \$50.00



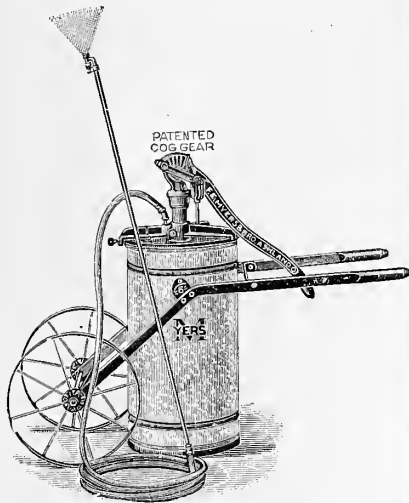
Mudgett Tank Heater, \$11.00

The most serviceable tank heater on the market. Twenty-four inches high, rectangular in shape, will accommodate 12 in. to 14 in. wood, weighs 200 pounds and will not tip over in the water. The ash pan and basket grate are removable and grates can be renewed at small expense. One length of galvanized pipe with damper and pipe cap is furnished. These heaters are built to last a lifetime.

Steel Scraper with Runners



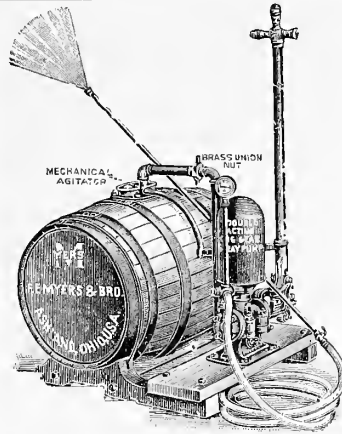
No. 1,	carries	7 feet of earth	\$16.50
No. 2,	"	5 "	15.50
No. 3,	"	3 "	12.00



Myers' Handy Spray Pump

with mechanical agitator, 15 ft. hose, 8 ft. pipe extension and Vermorel nozzle.

Price \$26.00



Myers' Double Acting Cog Gear Pump

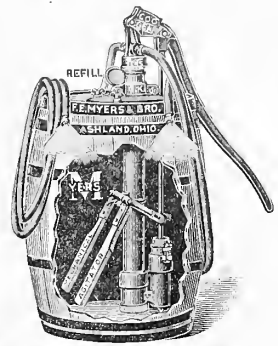
complete with spray outfit, 50 gallon barrel, pressure gauge, one 15-ft. lead of 1/2-inch, 7-ply discharge hose, one Fembro nozzle, one 8-ft. pipe extension with lever shut-off and mechanical agitator.

Price \$42.00

Myers' O. K. Spray Pump

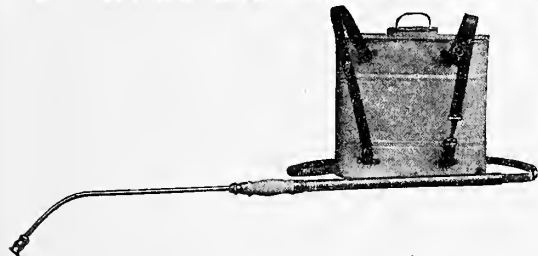
With 15 feet of 7-ply hose, mechanical agitator and Vermorel nozzle.

Price \$24.00



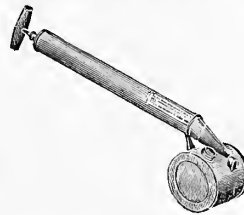
Scollay Rubber Bulb

Price \$1.00



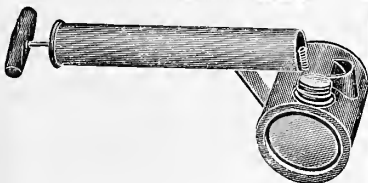
Standard Spray Pump

Complete, \$7.25 Knapsack only, \$2.75
Pump only, \$3.75 Potato extension only, 75c



No. 3 All Brass Sprayer

Price, \$1.15



No. 8 Tin Sprayer

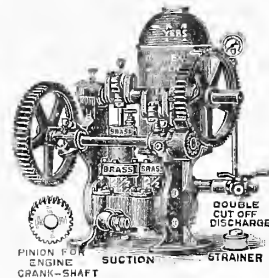
Replacing Midget. Holds 1 Pint
Price 35c



No. 5 Tin Sprayer

Holds 1 Quart
Price 50c

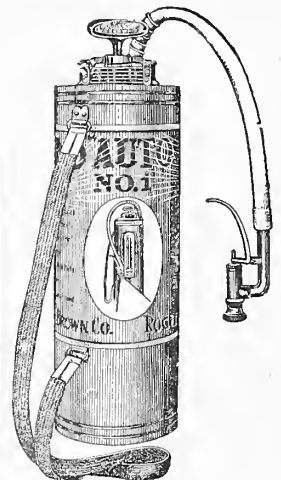
Myers' Duplex Power Spray Pump



Double action, 2-inch cylinder fitted with relief valve, pressure gauge, double cut-off discharge, 6-foot, wire-bound suction hose, two 8-foot pipe extensions and two power nozzles. No discharge hose.

Price \$73.50

Auto Spray No. 1

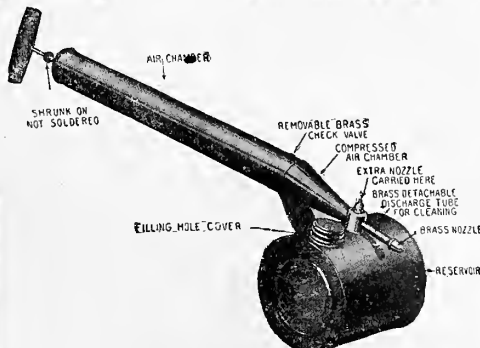


Galvanized Tank \$6.75
Brass Tank \$10.00
Complete line of parts and repairs always in stock.



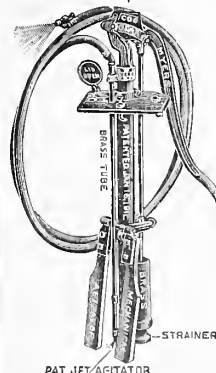
No. 324 Myers' Lever Bucket Pump with vermorel nozzle

Price \$6.25

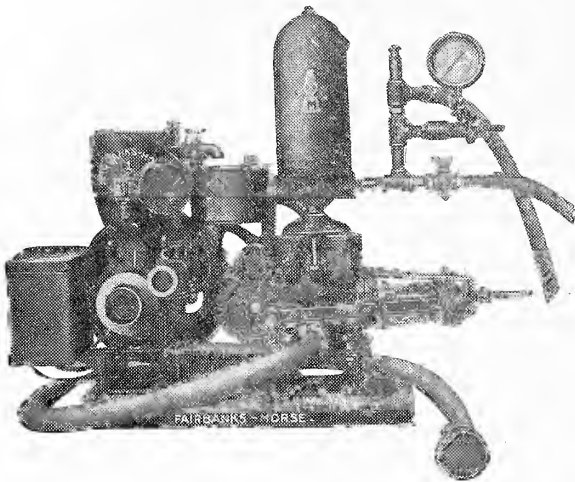


Junior Continuous Spray Made of Tin, holds 1 quart Price \$1.00

Myers' Cog Gear Barrel Spray Pump

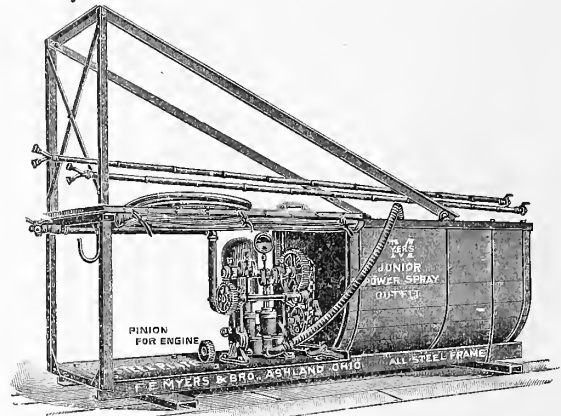


Price \$14.75

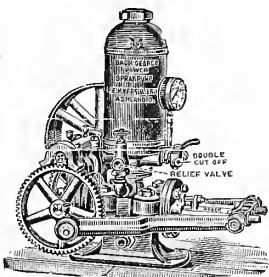
Fairbanks-Morse ECLIPSE SPRAY

I. H. P. Eclipse Engine, 2 by 3-inch Typhoon Pump. Two leads $\frac{1}{2}$ -inch hose will handle same at 200 lbs pressure.

Price \$100.00

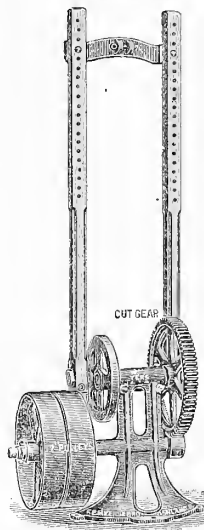
Myers' Jr. Power SPRAY OUTFIT

Price complete with $1\frac{1}{4}$ H. P. United Gasoline Engine
Price \$219.00

Myers' Back Geared Power Spray Pump

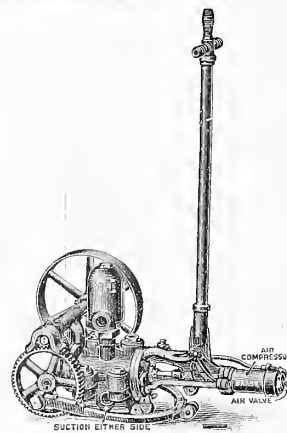
2 by 5 inch cylinder fitted with strainer pressure gauge and relief valve, gear drive.

Price \$68.00



No. 366 Pump Jack

Price \$10.50

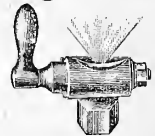


No. 377A Myers Century Hydro-Pneumatic Power
Price \$42.00



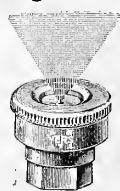
Brooks Brass Suction and Spray
Pump. Price \$1.75

Fig. 1019



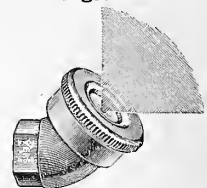
Regular Bordeaux Nozzle. Price 95c

Fig. 1290

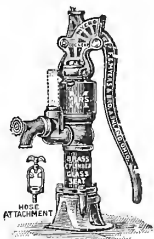


Fembro Nozzle. Price 80c

Fig. 1559



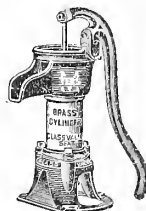
Fembro Angle Nozzle. Price 90c



No. R 245

Myers Cog Gear House Lift Pump

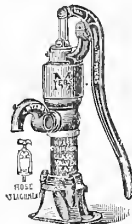
Price \$6.50



No. R 220

Myers House Lift Pitcher Pump

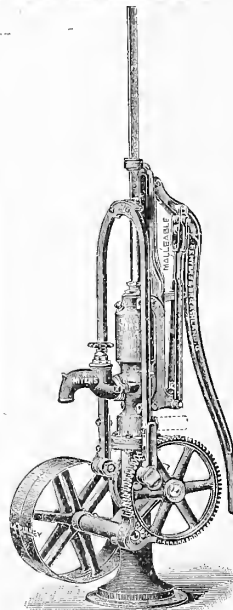
Price \$6.00



No. R 251

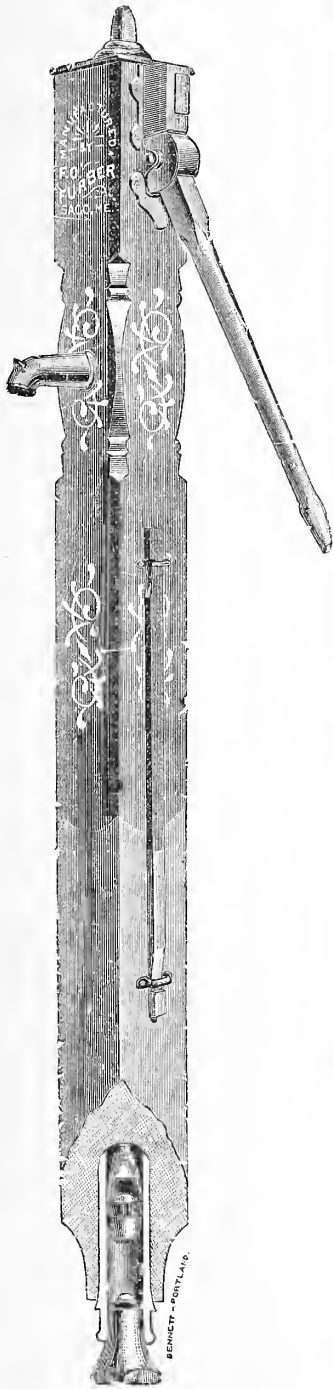
Myers Cock Spout House Force Pump

Price \$10.75

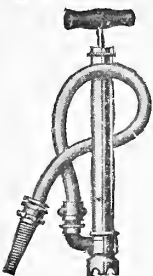


No. 388 Pump Jack

Price \$26.25



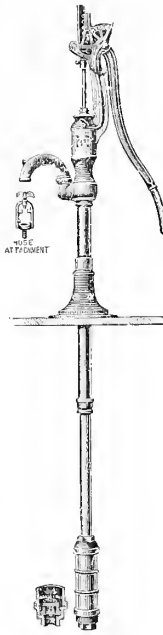
Furber Genuine Cucumber Wood Pumps
\$6.30 AND UPWARDS



Douglas Fig. 373
Plumber's
Pressure Pump
(All Brass)

Fitted with 3-foot
discharge hose and
conical screw tip.

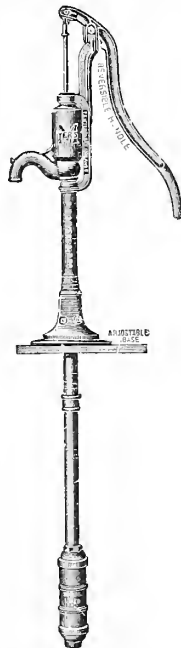
Price \$8.25



**No. R172 Myers' Ratchet Handle
Single Action Force Pump**

3-in. brass-lined cylinder with
glass seat, tapped for 1 1/4 in.
pipe, capacity 440 gallons per
hour.

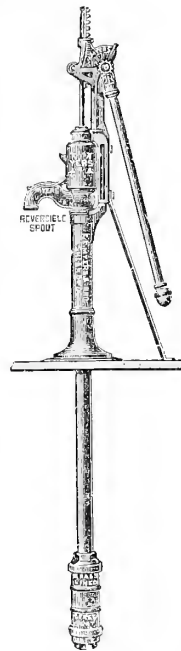
Price \$10.75



No. 124 Myers' Lift Pump

Single Action, 3-inch, Iron
Cylinder with Iron Seat,
tapped for 1 1/4 inch pipe,
capacity 440 gallons per hour.

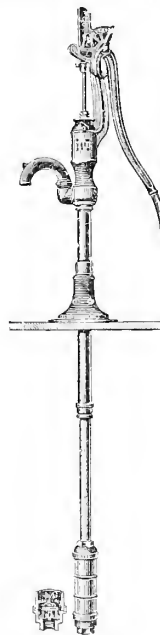
Price \$7.25



**No. R 104 Myers' Ratchet
Handle Lift Pump**

For farm and stock use.
4-inch Brass-lined Cylinder
capped on the outside, with
glass valve seat, tapped for
2-inch suction pipe.

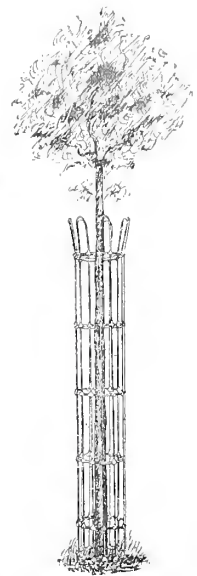
Price \$16.00



**No. R 152 Myers' Ratchet
Handle Lift Pump**

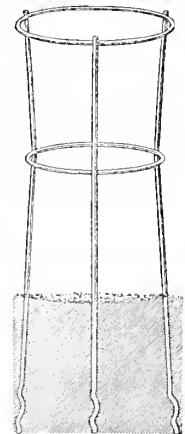
Single Action 3-inch Brass-
lined Cylinder with glass
seat, tapped for 1 1/4-inch pipe,
capacity 400 gals. per hour.

Price \$9.50



Excelsior Tree Guards

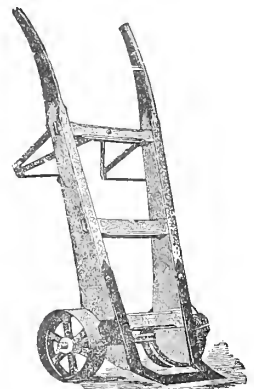
62 in. high, 8 in. dia.	\$1.50
62 in. high, 10 in. dia.	1.75
62 in. high, 12 in. dia.	2.00



Cyclone Tomato Guards

40c ea., \$4.00 doz.

Store and Bag Trucks



Made of hard wood and well
ironed. Rubber tired wheels
for hotel use.

Price \$3.75 to \$10.00

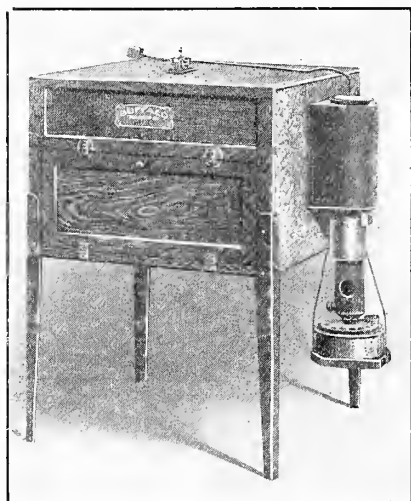
POULTRY SUPPLIES

The back yard for poultry keeping and gardening offers opportunities to everybody to reduce their living expenses 50%.

A well kept garden, a flock of poultry, and you may bid defiance to the grocer, butcher and vegetable huckster. With fresh vegetables and eggs and poultry of your own production on your own table, you are as rich as the most wealthy of the city or country dwellers and happier than either.

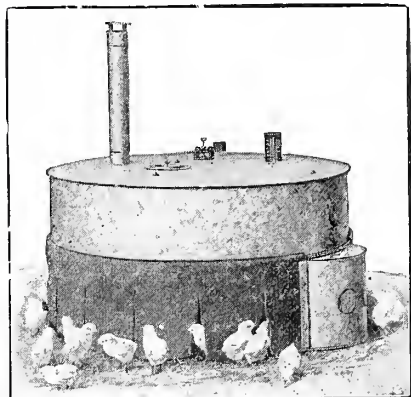
We have selected our line of Poultry Supplies with great care and consider that our lines have no superior.

Buffalo Hot Air Incubators



No.	Egg Capacity	Price
0	60	\$14.00
1	120	19.00
2	240	25.00
3	360	32.00

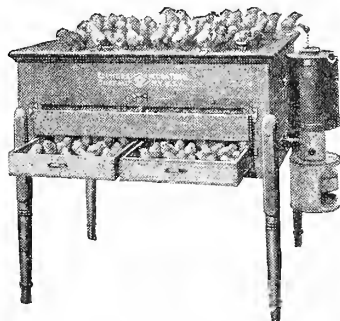
Cypher's Portable Hover



All metal and practically indestructible, automatic regulator, capacity 75 chicks.

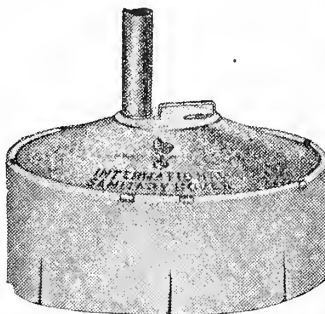
Price \$12.50

Cypher's Hot Air Incubators



No.	Egg Capacity	Price
0	70	\$18.00
1	144	28.50
2	244	41.00
3	300	49.00

International Sanitary Hover



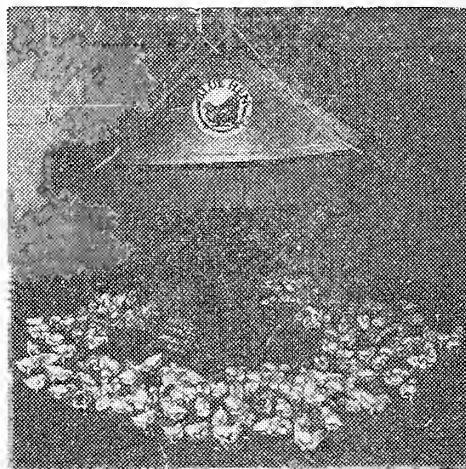
100 chick capacity

\$10.00

14 reasons why it is perfect.

Let us tell you.

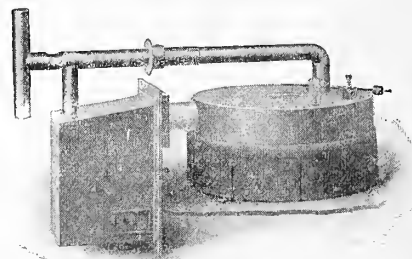
Blue Hen Colony Brooder



Capacity 500 chicks, \$21.50

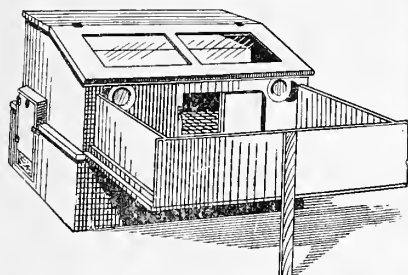
Capacity 1000 chicks, 25.00

Cypher's Adaptable Hover

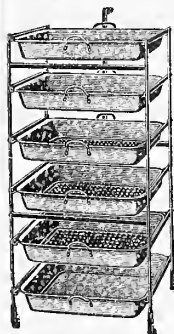


Capacity 50 to 75 chicks, \$12.50

THINK IT OVER Our Motto—Once a customer always a customer. Try us once is all we ask. You'll be satisfied.

Buffalo Indoor Brooder

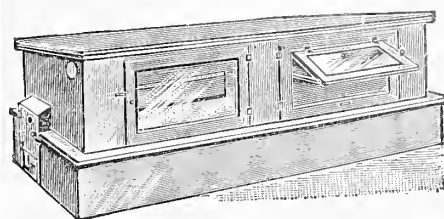
Size 3 by 4 feet, Capacity 75 chicks.
Price \$8.00

Economy Oats Sprouter**The Natural Process
For Sprouting**

Contains five sprouting pans and one drip pan 16x17 inches. Iron rack is 35 inches high.

By feeding sprouted oats through the winter, egg production can be kept up to a much larger degree than otherwise.

Price \$5.00

Buffalo Outdoor Brooder

Capacity 100 chicks.

Price \$16.00

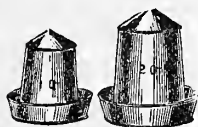
Designed for Chickens

Can be used for any kind of feed. Made of galvanized steel.

Price 45c

**1-2-3 Galvanized
Grit and Shell Box**

Price 80c

**Bunker Hill
Drinking Fountain**

1 Qt. 25c 2 Qt. 35c 4 Qt. 45c



No. 5C



No. 7

MANN'S BONE CUTTERS

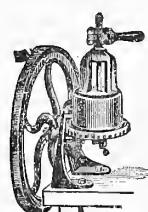
The Standard of Excellence

A STANDARD WHICH HAS ONLY BEEN OBTAINED BY
YEARS OF EXPERIENCE

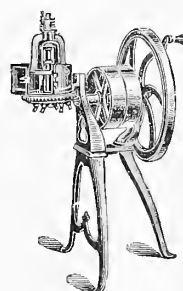
PRICE LIST

No. 5C, with Crank Handle,	\$ 7.50
No. 5B, with Balance Wheel,	10.00
No. 5BM, with Balance Wheel and Iron Stand	13.00
No. 7, with Balance Wheel,	15.00
No. 7½, Semi-power machine	20.00
No. 9, Stand Bone Cutter,	23.00
No. 11, Comb'n Power Cutter,	32.50
No. 12, Small Power Cutter,	40.00
No. 15, Large Power Cutter,	80.00
No. 14, Large Power Cutter,	100.00

Send for illustrated Catalogue



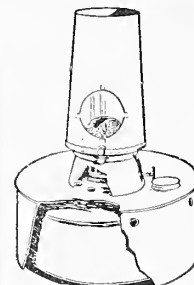
No. 5B



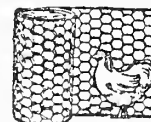
No. 7½

Junior Chick Feeder

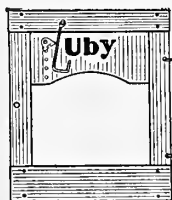
Price 30c

Zero Safety Lamps

Price \$1.60

Poultry and Chicken Wire

Any width. One foot to 6 feet in full rolls of 150 lineal feet or cut to order any length. Get our price before buying.

Uby Trap Nest

Consists of a door and casing made of galv. steel that can be easily attached to any box or nest. 35c

**Overall
Feeder**

4 Qt. size 35c
6 Qt. size 40c

Sexton's Dry Feed Hopper

Pronounced to be the best Hopper offered. Simple in construction, easily operated and absolutely "Rat" and "Mouse" Proof.

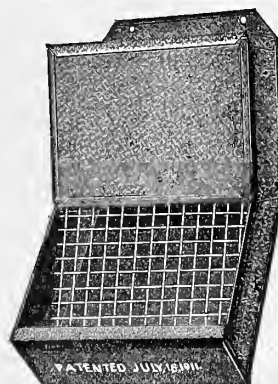
The lower cover is so arranged that it is held up by locking the top cover of Hopper over same and by raising the top cover the lower cover will fall in place.

This Hopper is arranged to hang on the wall the desired distance from floor and never need be removed from the wall to be refilled. It is impossible to waste any feed as the pan at the bottom takes any feed that may be picked out and the last crumb can be used, therefore saving any waste.

Price No. 1, 12 qt. 1.25, 5 lbs.

Price No. 5, 24 qt. 2.00, 7 lbs.

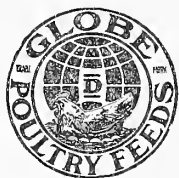
All prices in this catalogue are based on the lowest market price at time catalogue goes to the press but they are subject to market changes. This applies to both advance and decline.



Globe Poultry Feeds Are a Reliable Start to Sure Success in Raising Poultry for Profit:—

Globe Scratch Feed

(Without Grit)



100 lb. bags, \$4.75.

Per lb. 5½c.

Globe Egg Mash

(15 to 17 Protein)



100 lb. bag, \$4.15

Per lb. 5½c.

Globe Developing Feed

or Intermediate Chick Feed
(Without Grit)

100 lb. bag, \$4.85.

Per lb. 5½c.

Globe Chick Feed

(Without Grit)



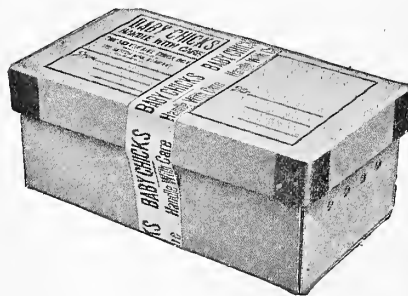
100 lb. bag, \$4.90.

Per lb. 5½c.

All Prices in this CATALOGUE subject to change without notice!!!

	100 lb. bag	Lb.
Beef Scraps.....	\$5.00	5½c
Beech's Meat Meal.....	2.50	3c
Alfalfa.....	2.75	3c
Cracked Boned.....	3.75	4½c
Oyster Shells.....	.85	1½c
Chic Chuk, 5 lb. carton.....		40c
" " 10 lb.		75c
Chick Charcoal.....	\$2.50	3c
Poultry Charcoal.....	2.50	3c
Edible Bone Meal.....	3.75	4½c
Chick Grit.....	.70	1½c
Poultry Grit.....	.70	1½c
Darlings 3 lb. carton.....		35c
Meat Crisps, 6½ lbs.....		75c

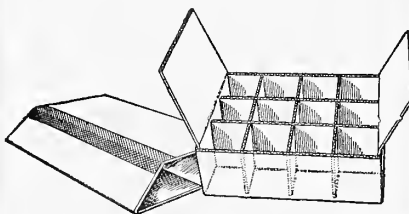
Sefton Live Chick Boxes



25 Chick, 12 x 6 x 5 in, weight 6½ lbs.	Doz.....	\$1.75	Each..	20c
50 Chick, 12 x 12 x 5 in, weight 14 lbs.	Doz.....	\$2.00	Each..	25c
100 Chick, 24 x 12 x 5 in, weight 22 lbs.	Doz.....	\$3.00	Each..	35c

Sefton Setting Egg Boxes

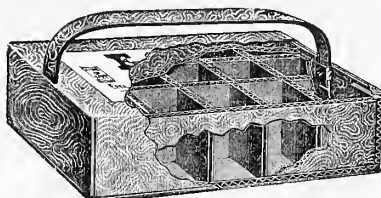
(For Parcel Post)



Size	Dozen	Each
12 Eggs	\$1.00	10c
24 "	1.40	15c
36 "	1.75	18c
60 "	2.75	28c

Eyrie Setting Egg Boxes

(For Express)



Size	Weight doz.	Doz.	Ea.
15 Eggs	10 lbs.	\$1.80	20c
30 Eggs	19 lbs.	2.70	30c

Anderson Setting Egg Boxes

(For Parcel Post)

Size	Weight	Dozen	Each
15 Egg	10 lbs.	\$1.50	15c
30 "	13 lbs.	2.10	25c
50 "	24 lbs.	3.00	30c
100 "	45 lbs.	5.00	50c

Varick's Tested Water Glass

PRESERVES EGGS PERFECTLY

Fresh eggs in Winter at summer prices. VARICK'S WATER GLASS has been used for years without a failure. It costs one cent a dozen to put eggs in Water Glass and you can save 20 cents a dozen by doing it. We sell it in any quantity, 10c a pint, 15c a quart, 40c a gallon. Beware of cheap, inferior imitation of the real article sold by unscrupulous dealers. Insist on having Varick's Tested Water Glass.

Magnet Kerosene Oil

We are carrying in stock, particularly for the incubator and brooder lamps, the MAGNET KEROSENE OIL. This is the very highest grade of oil and has a very high fire test. As you know, the common oil particularly for incubators and brooders, smokes, and many fires have been started and much damage done by fire. It is almost necessary to trim the wicks where ordinary oil is used, every day. With the MAGNET OIL there is very little carbon and burning of the wick. It also has no equal for use in kerosene engines and house lamps.

Pirce per single gal. 20c
Price, 5 gal. lots.....18c

Incubator Supplies

Cyphers Incubator Thermometers.....	70c
Cyphers Brooder Thermometers.....	50c
Buffalo Brooder Thermometers.....	25c
Buffalo Incubator Lamp, complete, (small)	\$1.35
Buffalo Incubator Lamp, complete, (large)	\$1.35
Buffalo Brooder Lamp, complete.....	\$1.20
Buffalo Incubator Burners (small)	35c
Buffalo Incubator Burners (large).....	60c
Cyphers Egg Testers.....	25c
Blue Flame Gas Burners	50c
Sulphur Candles	15c
Incubator Thermometers Wires.....	10c
Hygrometers	\$1.25
Buffalo Incubator Thermostat (all sizes)	\$2.00
Buffalo Incubator Dampers.....	15c
Buffalo Brooder Lamp Chimneys.....	15c
Buffalo Handy Hover Lamps.....	\$1.35
Cyphers Incubator Books	15c
Cyphers Incubator Lamps, complete, No. 0	90c
Cyphers Incubator Lamps, complete, Nos. 1-2-3.....	\$1.20
Cyphers Incubator Burners, No. 0.....	35c
Cyphers Incubator Burners, No. 1.....	50c
Cyphers Incubator Burners, Nos. 2-3.....	60c
Essex Incubator Thermometers	50c
Essex Brooder Thermometers.....	35c
Double Clinch Leg Band.....	10c doz.
Celluloid Leg Bands.....	15c doz.
Poultry Markers	30c
Poultry Killing Knives.....	65c
Waterproof Sheeting.....	25c yard
China Nest Eggs	25c doz. 3c each
Knox Nest Eggs.....	60c doz. 6c each

Conkey's Poultry Remedies

Roup Cure	30c
" "	60c
" "	\$1.20
Bronchitis	60c
Cholera Cure	30c
" "	60c
Gape Cure	30c
" "	60c
Chicken Pox	60c
Chicken Pox	30c
Limber Neck	60c
Scaly Leg	30c
Rheumatic Cure	60c
Healing Salve	30c
Laxative	30c
Black Head	60c
Poultry Worm	60c
" "	30c
White Diarrhoea	60c
" "	30c
Poultry Conditioner	30c
Head Lice Ointment	15c
" "	30c
Lice Powder	15c
" "	30c
" "	60c
" "	\$1.40
1 Qt. Lice Liquid	50c
2 Qt. "	75c
4 Qt. "	\$1.25
Poultry Tonic	30c
" "	60c
" "	\$1.40
25 lbs. Pail Poultry Tonic	\$2.75
1 Pt. Noxide	40c
1 Qt. "	70c
2 Qts "	\$1.00
4 Qts "	\$1.75
Canker Special	60c
Lice Fix	60c

CONKEY'S BUTTER MILK STARTING FOOD FOR CHICKS

3 lb. Package	30c
6½ lb. Package	65c

INTERNATIONAL STOCK FOOD Co.'s PRODUCTS

Stock Food, small package	30c
" " medium package	60c
" " large package	\$1.20
" " 25 lb. pail	\$4.00
Poultry Food, small package	30c
" " large package	60c
Heave Remedy	60c
Louse Killer	30c

RUST REMEDIES

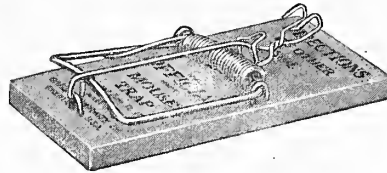
Roup Pills (Fowl and Pigeons)	25c
Egg Producer 1 lb. pkg.	25c
" " 2½ lb. pkg.	50c
" " 6 lb. pkg.	\$1.00
Haven's Climax Powder for cattle, sheep, poultry etc., 13 oz. size	25c
2 lb. size	50c

LICE KILLERS

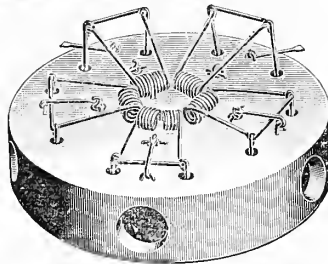
Lambert's Death to Lice, 15 oz. size	25c
" " " 48 oz. size	50c
" " " 100 oz. size	\$1.00
Varick's Liquid Lice Killer, Qts.,	35c
" " " ½ gallon	60c
" " " 1 gallon	\$1.00

Victor Mouse Trap

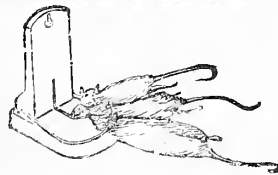
(Oil stained)



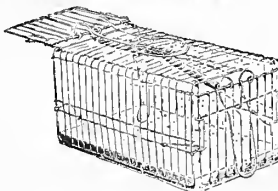
3⅞ in by 1⅞ in.....5c



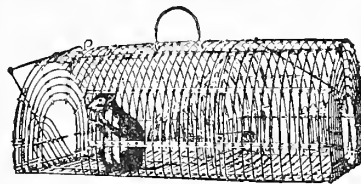
5 Hole Wood Mouse.....10c
5 " Tin ".....10c



Official (Back Breaker) Rat Trap
7 x 3¼ in.10c
Grip Rat (wood), Back Breaker.....25c
Erie (wood), Back Breaker.....25c



Wire Box, Tinned Wire Rat Trap.....25c



Surprise Wire (Marty style) 15 in. long, Coppered Wire.....50c
No. 4. Hold-Em (Marty style) 23 inches long, Coppered Wire.....\$1.00

Glover's Imperial Dog Remedies

The result of 35 Years' Experience in the Treatment of Sick Dogs.

Distemper Remedy	\$1.00
Mange Remedy	50c
Vermifuge	50c
Canker Wash	50c
Blood Purifier	50c
Tonic	50c
Fit Remedy	50c

Cough Mixture	50c
Eye Lotion	50c
Black Tongue Remedy	50c
Condition Pills	50c
Digestive Pills	50c
Liver Pills	50c
Comp. Sulphur Pills	50c
Worm Capsules	50c
Tape Worm Capsules	50c
Diarrhoea Remedy	50c
Liniment	50c
Sore Foot Remedy	50c
Kennel and Stable Soap	25c

We also carry a complete line Dr. Clayton's Dog Remedies.

Spratt's Dog Cakes

Spratt's Puppy Biscuits

Spratt's "Fibo"

Spratt's "Rodnim"

AUSTIN'S DOG BREAD

OLD GIST MILL DOG BREAD.

Book on "Dog Diseases and How to Feed" free on application.

Bird Seed

Canary, Fancy	1b. 15c
Rape	1b. 18c
Hemp	1b. 12c
Sunflower	1b. 12c
Flaxseed, whole	1b. 18c
Flaxseed, ground	1b. 18c
Mixed Bird Seed	1b. 15c
Bird Gravel	1b. 8c
Cuttle Fish Bone	each 5c

Rat Poison

Rat Corn, small	25c
Rat Corn, medium	50c
Rat Corn, large	\$1.00
Rough-on-Rats	35c
Young's Rat Destroyer	25c
Rat Annihilator	15c

Horse and Cattle Remedies

DR. DANIELS' HORSE MEDICINES

Colic Drops	\$1.30
Horse Renovator .....	.65
Cough, Cold and Fever Drops	1.30
Wonder Work Healing Lotion .....	.65
Hoof Grower and Softener .....	.65
Worm Killer Powders .....	.65
Absorbent Spavin Remedy	1.30
Absorbent Spavin Remedy .....	.65
Oster Cocus Liniment .....	.65
Oster Cocus Liniment .....	.35
Carbo-Nogus Dis. ....	.65
Gall-Cure Salve .....	.65
Physic Balls .....	.35
Eye Lotion .....	.65
Antiseptic Healing Powder .....	.65
Canker Remedy .....	.35
TUTTLE'S ELIXER .....	.60

OUR HUSBANDS MFG. CO'S CATTLE AND HORSE REMEDIES

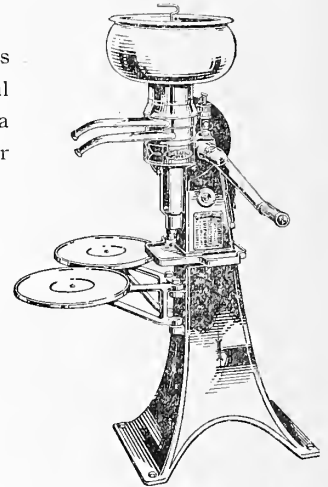
Cow Relief, small	\$0.50
Cow Relief, large	1.00
Cow Tone, small .....	.50
Cow Tone, large	1.00
Calves Cordial .....	.50
Arabian Scratches and Gall Salve, large .....	.50
Arabian Scratches and Gall Salve, small .....	.25
KOW KURE, small .....	.55
KOW KURE, large	1.10
GARGET CURE .....	.55
BAG BALM .....	.55

CREAM SEPARATORS

Improved De Laval Cream Separators and Clarifiers for Both Hand and Power

The Standard Separator. A Money Maker for Any Farmer.

De Laval Cream Separators are guaranteed to be as represented and to fulfill all the claims made for them, being sold subject to the guarantee of their unqualified superiority in every material feature of separator practicability inclusive of the production of a greater value of cream and of a greater quantity of butter of better quality than is possible through the use of any other separator or creaming system



- Improved No. 4, actual capacity, 150 lbs. per hour, no stool, \$52.50; with stool, \$57.50.
- Improved No. 5, actual capacity 225 lbs. per hour, \$67.50.
- Improved No. 10, actual capacity, 350 lbs. per hour, \$85.00.
- Improved No. 12, actual capacity, 500 lbs. per hour, \$95.00.
- Improved No. 15, actual capacity, 750 lbs. per hour, \$112.50.
- Improved No. 17, actual capacity, 1000 lbs. per hour, \$130.00.
- Improved No. 19, steam turbine, actual capacity, 750 lbs. per hour, \$145.00.
- Improved No. 20, steam turbine, actual capacity, 1000 lbs. per hour, \$162.50.

The New Sharples Suction-Feed



is the only Separator made which will not lose cream at varying speeds. The wonderful "Suction-feed" always feed the milk to the bowl in exact proportion to the separating force being generated. At 45 revolutions it skims clean; at 55 it skims clean; and at 35 revolutions it skims equally clean. No other separator can do it.

No matter how you turn the New Sharples you always get even thickness cream. Just set the cream screw at the desired thickness and it will come out velvety and even—no matter how you vary the speed. No other separator can do it.

The Sharples Tubular bowl is the simplest and lightest in existence. It has only one plain part in it—no discs to wash and bother with.

No. 2S, 250 to 300 lbs. of milk per hour, \$75.00

No. 3S, 350 to 450 lbs. per hour, \$85.00

No. 4S, 450 to 550 lbs. per hour, \$100.00

THE DIABOLO CREAM SEPARATOR

The DIABOLO Separator has positively all competition backed off the map. The quality is there; we have the price—never before in all Separator history was a high grade Separator offered you at such astonishingly low prices. We have such absolute confidence in the DIABOLO Separator that we will make you our

THIRTY-DAY FREE TRIAL OFFER

We will sell you a machine on this basis, that is, if, after you have had a machine 30 days, you do not find it exactly as represented below, you may return the machine to us and we will gladly refund your money. If you do not find that there is no Separator on the market that skims closer (the milk may be hot or cold), that is so easy to turn at the same capacity, that is made of better material in any detail, that shows more perfect workmanship, that is easier to clean, that is more convenient to handle, that the cost of repair is less, that gives you the quality at our price—return the machine to us and we will refund your money to you.

If we did not believe in our machine; if we did not absolutely know that we were offering you a proposition that never before was equalled in a cream separator, we could not afford to make you this proposition.

No. 1, 300 lbs. of milk per hour, \$50.00

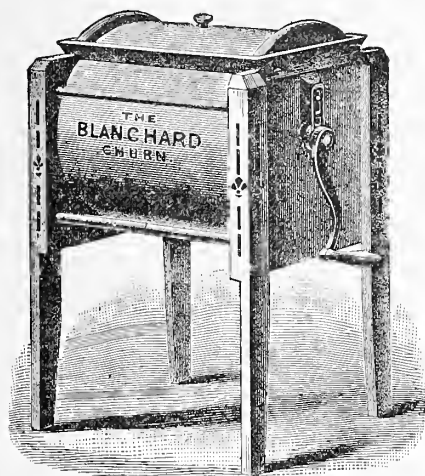
No. 2, 500 lbs. of milk per hour, \$75.00

No. 3, 900 lbs milk per hour, \$90.00



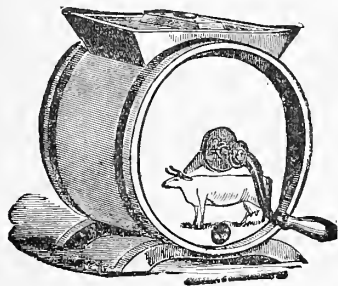
Dairy Supplies

Blanchard Churns



No. 3	2 Gallons	\$6.00
4	4 "	7.00
5	8 "	8.00
6	12 "	\$10.00

Cylinder Churns



No. 0	1 3/4 Gallons	\$2.25
1	2 3/4 "	2.50
2	4 "	3.00
3	7 "	3.50
4	10 1/2 "	4.00

Stoddard Barrel Churns

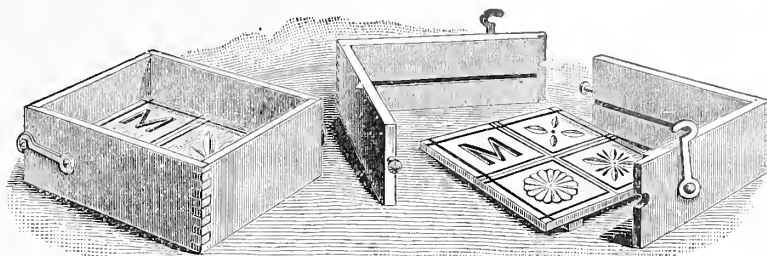
No. 1, 10 Gal.	\$15.00
2, 15 "	16.00
3, 20 "	18.00



Superior Sanitary Churns

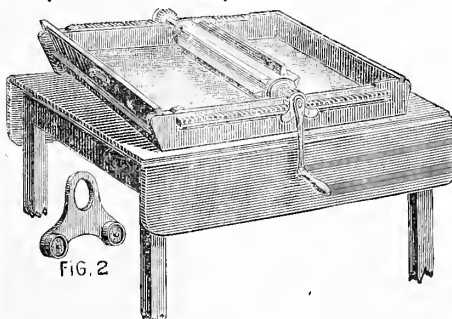
8 Gallons	\$10.00
10 "	10.75
2 "	11.50

Blanchard Butter Moulds

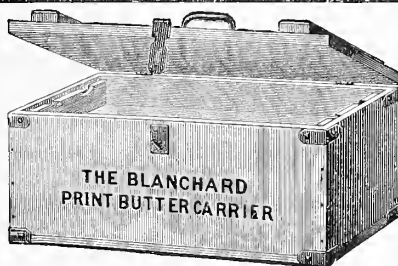


Hand Made Machine Glade
 1/2 Pound \$100 1 Pound \$1.20 1/2 Pound 65c 1 Pound 85c

Improved Philadelphia Butter Worker



No. 1	14in.x23in.	10 lbs Capacity	\$7.00
2	17in.x26in.	20 lbs "	8.50
3	20in.x30in.	30 lbs "	9.50



No. 7	16 lbs Capacity	\$2.90
8	24 lbs "	3.40
9	32 lbs "	3.90
10	40 lbs "	4.40

Ice Boxes—Extra—90c.

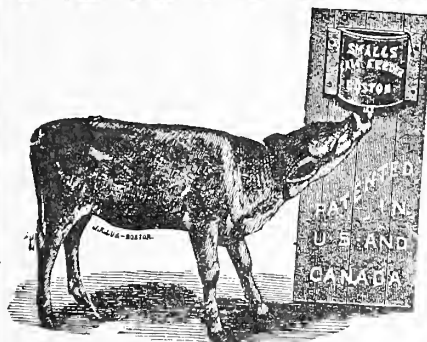
Improved Champion Milk Cooler. Aerator



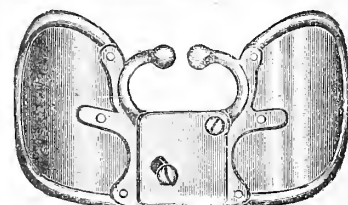
No. 2	18 Quar. Cap.	\$7.00
3	34 " "	8.00

Clyde Pruner

30-in. Handle	\$3.00
22-in. Handle	\$2.50



The original calf feeder. Price \$3.50
 Weight, 4 lbs.



Calf Weaners (Rice)
 No. 1, 35c, No. 2, 60c, No. 3, 85c

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

PORTER BARN EQUIPMENT

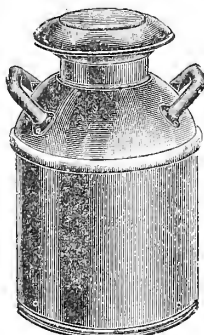
The Cleanliness, Convenience and Comfort of Porter Equipment Will Swell Your Dairy Dividends

The better care you give your cows, the better they will pay you. Stable them in light, clean, comfortable, sanitary quarters and they'll require less feed, keep freer from disease, produce more milk with a higher percentage of butter fat, and your milk and butter will bring top-notch prices. These are **facts** proven over and over again in the experience of successful dairymen who are using Porter Litter Carriers, Feed Carriers, Stalls and Stanchions. Porter equipment in your barn will mean a big boost for extra profits, for it's built with practical, common sense understanding of the care the dairy cow needs for best results. It keeps the stalls clean, prevents waste of feed and manure; gives your cows the best chance to show what they can earn for you.

Expert Advice on Barn Plans and Equipment, Free for the Asking

RAILROAD MILK CANS

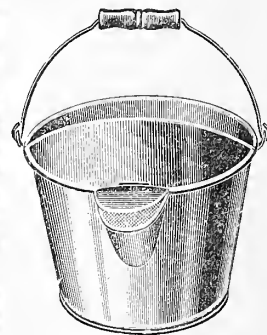
Milwaukee Umbrella Pat- N. Y. Pattern, Noiseless
tern, Stationary Handles. Drop Handles.



Price on Application



	Neck	Weight		Neck	Weight
20-qt. 6-in	About 14	lbs.	20-qt. 6-in	About 13 3/4	lbs.
30-qt. 6-in	"	17 1/2	32-qt. 6-in	"	16
40-qt. 7 1/2 in	"	25 1/2	40-qt. 6-in	"	18



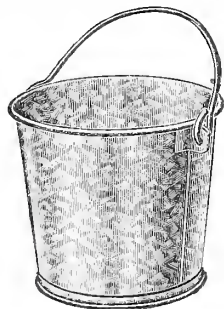
STRAINER PAIL

Price \$1.05



We have on exhibition at our Depot Street store a complete line of Porter's Perfect Barn Equipment, including Steel Stalls and Stanchions, Feed and Litter Carriers.

DAISY MILK PAILS



10-qt. IX	Price, \$0.55
12-qt. IX	Price, \$0.60
12-qt. Heavy XXX	Price, \$0.90
14-qt. Heavy XXX	Price, \$1.00



STERLAC SANITARY PAIL
Price, \$3.35

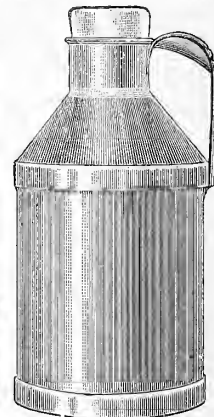


HEAVY
MEASURES

1-qt. size
Price, \$1.00

MILK STRAINERS
Heavy to use on can \$1.00

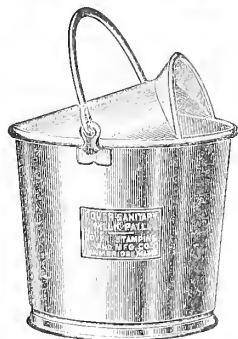
MILK STRAINERS
To use in Pan \$0.30



CANS

Made from best quality XXX tin plate, reinforced neck and bottom, steel hoop top and bottom, seams soldered inside and out.

8 1/2-qt., 3 1/4-in. neck wood stoppers, Each \$1.35, doz. \$15.00
8 1/2-qt., 4 1/8-in. neck wood stoppers, Each \$1.35, doz. \$15.00



DOVER
SANITARY
MILK PAIL

Price, \$1.75

COMMON SENSE MILK BOTTLES

No. 2 Paper Cap	
1/2 pints, 1 gro. case,	per gross \$6.00
1/2 quarts, 1 gro. case,	per gross, \$6.75
Pints, 1 gro. case,	per gross, \$6.75
Quarts, 1/2 gro. case,	per gross, \$8.00
Quantity Price on Application.	

Special lettering, \$2.50 each size bottle. On orders of 5 gro., lettering free. one lettering free on order of 5 gro. mixed bottles. Subsequent orders, same lettering, no charge. Bottles not lettered in less than One Gross lots.

MILK JAR CARRIERS
(With Inside Wire for Pints)
No. 925 holds 6 quarts, \$1.60
No. 927 holds 8 quarts, 2.10

MILK BOTTLE CRATES
To hold 12 quarts, each \$1.25
To hold 16 pints, each \$1.25

METAL BOUND MILK
BOTTLE CRATES
To hold 12 quarts, each \$1.40
To hold 20 quarts, each \$1.40

MILK BOTTLE CAPS No. 2 Size
100,000 caps 30c per M
5,000 caps 32c per M
1,000 caps 35c per M

No charge for special printing in lots of 100,000 in one color ink.

STOPPER EXTRACTORS
For 3 1/4 in. \$0.75
For 4 1/8 in. \$0.85

THINK OF IT!

The One Product for Scores of Farm and Home Uses.

When you think of a disinfectant you probably think of some smelly, sticky substance, which you would never consider using in your kitchen sink, to say nothing of the baby's nursing bottle.

Here is a new kind of disinfectant, clear and clean as water, but with ten times the germ-killing strength of carbolic acid. Still it is not a poison—leaves no taint or disagreeable odor. Think of the many ways you can use such a product.

This product B-K (Bacili-Kil) is used extensively for sterilizing bottles, cans, utensils and equipment used in handling milk, cream and other delicate food products. It gives the highest degree of sanitation possible, at little cost and no danger.

B-K is also used for all manner of disinfecting work in hospitals, schools, kitchens, dairies, barns and poultry houses, wherever a powerful disinfectant is needed and cleanliness is desired. There are dozens of ways in which you can use B-K to good advantage.

ASK FOR THESE VALUABLE BULLETINS.

No. 269. General Disinfecting
without Poison.

No. 135. Milk Protection—Care
of Dairy Utensils.

No. 213. Care of Poultry—What
Poultry Raisers Say.

No. 237. Health Protection of
Live Stock.

No. 52. Contagious Abortion,
Prevention and Control

No. 136. Calf Scours,
"Save every Calf"

Because of the highly concentrated form in which B-K is shipped it goes from two to ten times as far as other disinfecting materials, so is worth from two to ten times as much on basis of strength alone.

Sold on an absolute guaranty of "Satisfaction or your money back."

**THE DAIRY
STERILIZER**

B-K

**POWERFUL
DISINFECTANT**

Try a package at the manufacturers risk.

Manufactured Solely By

General Laboratories, Madison, Wisconsin

Distributed By

John B. Varick Co., Manchester, N. H.

American Steel and Wire, Cattle, Hog, Sheep and Stock Fence

Steel Farm Gates, Steel Fence Posts, Wire Fence Stretchers, Barbed and Smooth Fence Wire, Wire Staples, Galvanized Wire Cloth and Wire Screen Cloth.

EXCELSIOR POULTRY FENCE

Description—Heavy Grade

Woven of No. 17 body wires, and single No. 14 selvage wire at top and bottom.

Mesher	Spacing
1st, 2d, 3d and 4th spaces from bottom.....	1½ in.
5th and 6th spaces from bottom.....	1½ in.
7th and 8th spaces from bottom.....	2 in.
9th and 10th spaces from bottom.....	2½ in.
11th and 12th spaces from bottom.....	3½ in.

These meshes make up exactly the first 24 inches in height. All meshes above are 4 inches and the spacing of all uprights or stays is 4 inches in 3 widths.

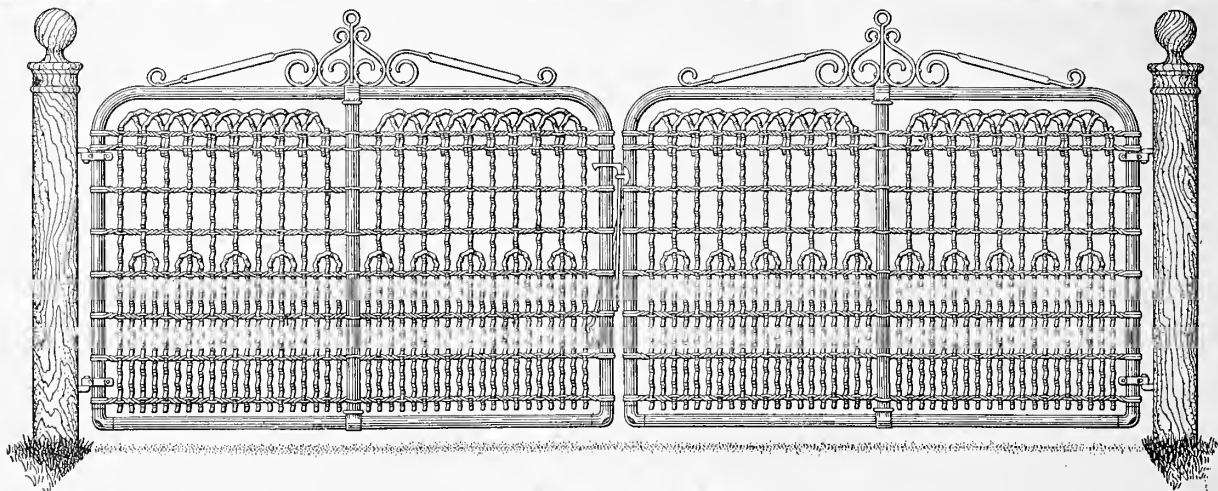
Poultry Wire Fencing

Best Grade Hexagon Wire Galvanized After Weaving
2-INCH MESH FOR POULTRY

Width	Size Wire	Length of Roll	Weight About
12 in.	No. 20	150 ft.	10 lbs.
18 in.	No. 20	150 ft.	14 lbs.
24 in.	No. 20	150 ft.	18 lbs.
30 in.	No. 20	150 ft.	23 lbs.
36 in.	No. 19	150 ft.	28 lbs.
48 in.	No. 19	150 ft.	37 lbs.
60 in.	No. 19	150 ft.	47 lbs.
72 in.	No. 19	150 ft.	56 lbs.

1-INCH MESH FOR CHICKENS

Width	Size Wire	Length of Roll	Weight About
12 in.	No. 20	150 ft.	15 lbs.
18 in.	No. 20	150 ft.	22 lbs.
24 in.	No. 20	150 ft.	30 lbs.
30 in.	No. 20	150 ft.	37 lbs.
36 in.	No. 20	150 ft.	45 lbs.



ORNAMENTAL FENCING

The home beautiful is never so complete, never so attractive as when the approach is ornamented with beautiful wrought steel or steel and wire fencing. Compared with the added dignity and beauty which this artistic yard enclosure brings to your

home, the extra cost is a mere trifle.

We carry several different styles and heights of Artistic Wire Fence and will be pleased to give any information desired or quote prices, either in person or by correspondence.



Congo Never-Leak Roofing

is made of extra quality long FIBRE WOOL FELT, filled with soft, properly treated asphalt. This roofing has been on the market for years and has proved its worth. Suitable for any climate and can be laid in cold weather. 36 inches wide and contains 108 square feet. Cement, nails and caps inside each roll.

Ply	Weight	Guarantee	Per Roll
1	35 lbs.	5 years	\$2.00
2	45 lbs.	7 years	\$2.50
3	55 lbs.	10 years	\$2.75

Special prices for 10 rolls or more.

FIBERLIC

The Wall Board IDEA But an Improved Material for Walls and Ceilings.

Remarkable rigid and fire-resisting. Made from the strong tough fibres of imported root.

STOCK SIZES

32" x 6'	48" x 6'
32 x 7	48 x 7
32 x 8	48 x 8
32 x 9	48 x 9
32 x 10	48 x 10
32 x 12	48 x 12

The material from which it is made is in itself a guarantee of the superiority of Fiberlic for strong, permanent and economical construction.

John B. Varick Company

Distributors
Manchester, N. H.

Durham Rubber Roofing

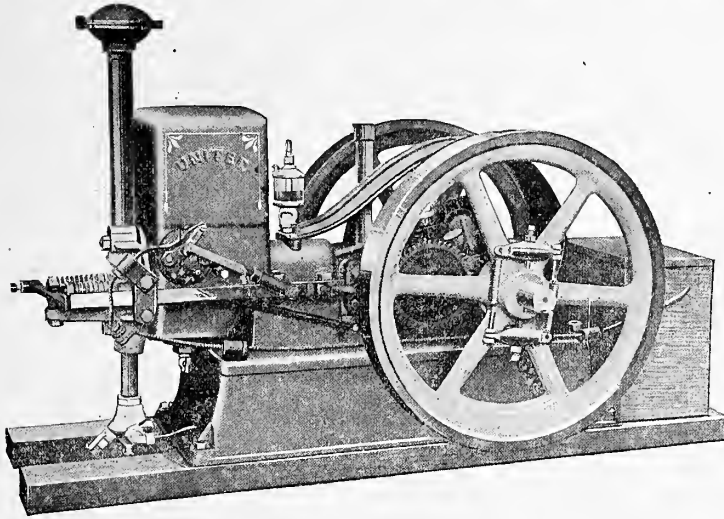
A popular priced, high quality Roofing, of the so-called rubber type, made from extra quality fibrous wool felt, uniformly saturated with the best of materials, Complete with nails, caps and cement. 36 inches wide and contains 108 feet.

Ply	Weight	Per Roll
1	35 lbs.	\$1.75
2	45 lbs.	\$2.10
3	55 lbs.	\$2.35

Special prices on good sized lots.



UNITED GASOLINE ENGINES



Prices on Application

America's Greatest Value—Because the UNITED is the only engine built embodying all of the following features

- 1—The most liberal guarantee ever placed on an engine.
- 2—Special carburetor insuring a great saving in gasoline.
- 3—The United has the record of the lowest cost of repairs and maintenance of any engine built.
- 4—Special United indestructible gasoline tank.
- 5—United machine work the most accurate and finest of any engine built.
- 6—Over 175,000 satisfied customers.
- 7—United service---the best there is.
- 8—Pistons have four lap joint piston rings.
- 9—Extra large water space for cooling.
- 10—Castings are of the finest grade closegrained grey iron.
- 11—Main bearing---extra large and of the best material.
- 12—United specifications and dimensions the most liberal.
- 13—All engines equipped with speed changing device.
- 14—No complicated parts to wear or get out of order.
- 15—Extra large flywheels.
- 16—Double heat treated drop-forged crankshaft, ground to size.
- 17—Guaranteed to develop 20% above their rated horse power.
- 18—Hardened tool steel wearing parts.

United Specifications

H. P.	Wt. Lbs.	Bore, ins.	Stroke, ins.	Diam. Fly Wheel, ins.	Dia. Crank Shaft, ins.	Wt. Fly Wheel each, lbs.	Pulley Diam. Face, ins.	Speed R. P. M.
1½	300	3⅝	3½	16	1⅛	37	4x3	500
*1¾	380	3¾	5	18	1⅜	40	6x4	450
1¾	400	3¾	5	18	1⅜	40	6x4	450
2¼	500	4	5½	20	1⅝	55	6x4	450
3½	750	4½	6	24	1⅞	85	10x6	425
4½	1000	4¾	8	27	1¾	175	12x6	375
6	1700	6	10	40	2¼	250	18x8	300
9	2100	6¾	10	42	2½	275	18x8	275
12	3000	8	13	48	2¾	500	24x8	250

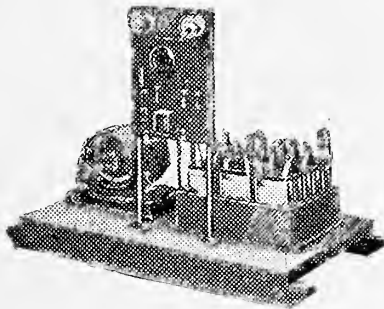
*Air cooled.

All Steel Portable Specifications Gasoline or Kerosene

Size	R. P. M.	Plain Pulley	Front Wheels	Rear Whl's	Wgt.
6 H. P.	300	18x8 in.	26 in.	34 in.	2100
9 H. P.	275	18x8 in.	26 in.	34 in.	2600
12 H. P.	250	24x8 in.	26 in.	36 in.	3500

All Steel Portable Engines are same as regular UNITED stationary except that iron sub-base is not used. A tongue for all trucks is furnished, but no neck-yoke or whiffletrees are included.

United Lighting Plants



"United turns the night into broad daylight."

United electric plants are designed to operate behind any general purpose engine. While your engine is performing other work it can also be charging your plant. The United gives you the best and at the same time the most economical light of any plant built. When a United plant is once adjusted, no further adjustments are necessary—simply run your engine at such times as your battery needs charging—this makes it possible for us to recommend United plants to an unskilled operator and they will get perfect satisfaction.

United line of lighting plants includes a plant for every purpose. They are made regularly in the following sizes:

50 light 30 volts	60 light 30 volts
80 light 30 volts	95 light 30 volts
50 light 110 volts	75 light 110 volts
100 light 110 volts	

We Invite Your Inquiry Regarding Your Electric Lighting Problems

Prices on Application

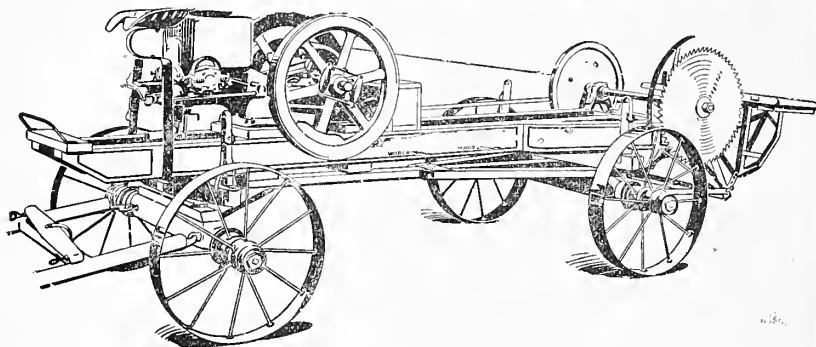
**Efficiency, Quantity and Service
Combined at Wonderfully Low Prices**

GET OUR PRICES BEFORE BUYING

THIS IS CERTAINLY THE YEAR TO SAW WOOD

Cord Wood is soaring to unprecedented heights—
Mr. Farmer and Mr. Lumberman, here is your
chance to make some easy money.

VARICK'S PORTABLE WOOD-SAWING OUTFIT



The Varick Wood Sawing Outfit consists of a 6 H. P. Oil Engine mounted on a strong, well made and durable portable truck with tilting steel saw table, equipped with belt tightener, 28-inch Simons circular saw and Varicks high grade rubber belt.

The Engine is a Fairbanks-Morse, type Z, Multi-Fuel Kerosene Oil Engine, built on the four-cycle type, hopper cooled, with built-in magneto, throttling governor, pump fuel feed, close speed regulation, removable bushings in bearings, and ignitor filtered by ground and tapered joints.

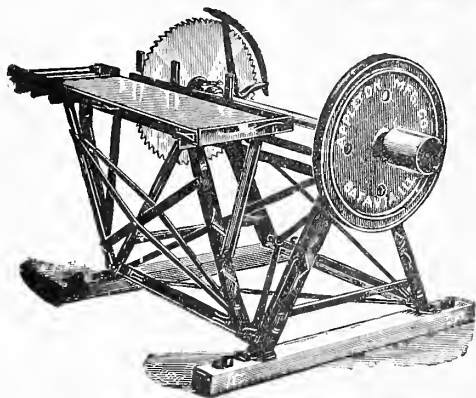
The throttled governor assures constant power under variable load, under most extreme weather conditions.

Actual cost of fuel for sawing 20 cords of Hard Wood is 48c; 2 4-10c per cord.

Engine is built of the very best grade of material and workmanship. Simple in construction and easy to start in the coldest of weather. Will develop 20 per cent. over and above its rated horse power.

Price Complete, ready to run, \$335.00

Same Outfit as above only less the belt tightener and a 26 inch United Saw instead of a Simons, \$315.00



No. 1 Steel Saw Table

With 26-inch Simons Saw

\$45.00

Without Saw

\$27.00

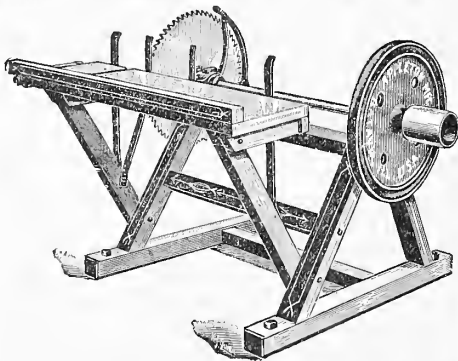
No. 2 Wood Saw Table

With 26-inch Simons Saw

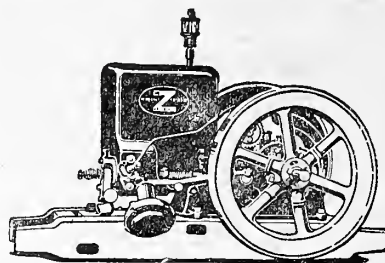
\$46.00

Without Saw

\$28.00



VARICK'S TYPE "Z" MULTI-FUEL OIL ENGINES



The NEW "Z" FARM ENGINE

Throttle Governor Assures Constant Power Under Variable Load and Weather Conditions

BUILT IN FOUR SIZES 3, 6, 10, AND 15 H. P.
Throttle Governor, Built-in Magneto, Pump Fuel Feed,
Removable Bushings in Bearings, Close Speed Regulation,
Ignitor Fitted by Ground and Tapered Joint
This special type of Engine is accepted by
by Insurance Underwriters.

No effort is spared in making these Engines of the very highest quality in every detail. All parts are precisely made and fitted and standardized for interchangeability. The cylinder and crank case being cast together distributes the weight where needed for strength, giving lightness as well.

The finely ground piston and piston rings give exceptional compression. The water cooled cylinder and valves eliminate heat strains and keep the valves tight. The effective lubrication—accessibility—are found in every one of these Engines.

In addition to all this, the Type "Z" Oil Engines have special distinctive features that single them out from all others that make them far superior in point of service rendered. They are designed to run on kerosene and other cheap fuels as well as gasoline. They deliver the same power on a gallon of kerosene as on a gallon of gasoline.

SPECIFICATIONS

Horse Power	Speed R. P. M.	Floor Space in inches with Starter Crank Allowance	Extreme Height in inches
3	450	34 x 39	28
6	400	40 x 48	32
10	350	65 x 51	44
15	350	70 x 53	47

Size Belt Pulley in inches	Diam. Fly Wheel in inches	Fuel Tank Capacity in Gallons	Approx. Ship Weight pounds
Diam. Face			
10 4	22	2.8	500
12 6	28	5.5	875
16 10	41	53	1950
18 12	44	53	2350

PRICES ON APPLICATION

THE HEIDER TRACTOR

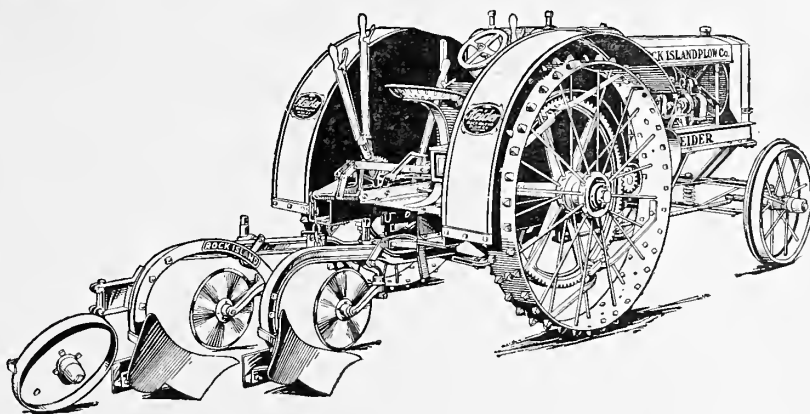
MADE BY

Rock Island Plow Company, Rock Island, Illinois

Model "D"

9-16

One-Man
Tractor



TEN YEARS
of actual field work
has proven the su-
periority of the

HEIDER
ONE-MAN
ALL-PURPOSE
TRACTOR

IT IS making this the tractor era of farming. On small farms and large farms—north, east south and west—under all conditions, the Heider is doing all the kinds of work ever thought of for a tractor. It is taking the place of horses and engines on every farm job. And it is doing it all at far lower cost than any other kind of power. Figures show this over and over.

Farm horses eat, on an average, one-fifth of all they produce. And they go right on eating in the winter, or whenever they are idle. The Heider "eats" only when it works. The horses required for even a medium farm eat up the value of a Heider in one year.

On the other hand, it is no uncommon thing for the Heider to pay for itself in the extra work that it does in a year.

The day is fast coming when there will be a tractor on every farm. The Heider, with its ten years of actual field work, puts a machine of proved efficiency in the hands of the farmer. And the efficient man is certain to make the most money out of farming, just as in every other line.

A ONE-MAN TRACTOR FOR EVERY POWER SERVICE

Here is pulling power for tillage tools and harvesting machinery. Here is power for hauling.

And here is belt power for stationary machinery—silo fillers, grain separators, saws, feed cutters, shellers, pumps, in fact all the machinery used on a farm.

No other farm power will give the value and convenience in service that the Heider Tractor does. If you use a stationary engine, you have to bring the work to it. If you use a portable, you have to use a team to move it. You cannot use a little engine for big work, and you do not use the ordinary big engine for little work—it costs too much.

The Heider Tractor goes anywhere you need it on its own power, and is equally efficient, equally economical, on either light or heavy work. It has abundant power for the hardest plowing, threshing, pulling or hauling. But it can be throttled down to use no more fuel than is necessary for the operation of the smaller tools, such as a cream separator or a washing machine.

It is a real all-purpose tractor, and can be used on the average farm every month in the year. The man who owns one needs no other power. This is a new step in economy.

The Heider is not over-rated. It is guaranteed to give you every ounce of power for actual work that its rating promises, and it has, besides, plenty of power in reserve for emergencies.

PRICE, \$1225.00

{ With Freight added from Factory.
The Freight is about \$50.00 to any
shipping point in New Hampshire. }

The Heider Tractor may be seen at our Agricultural Warehouse

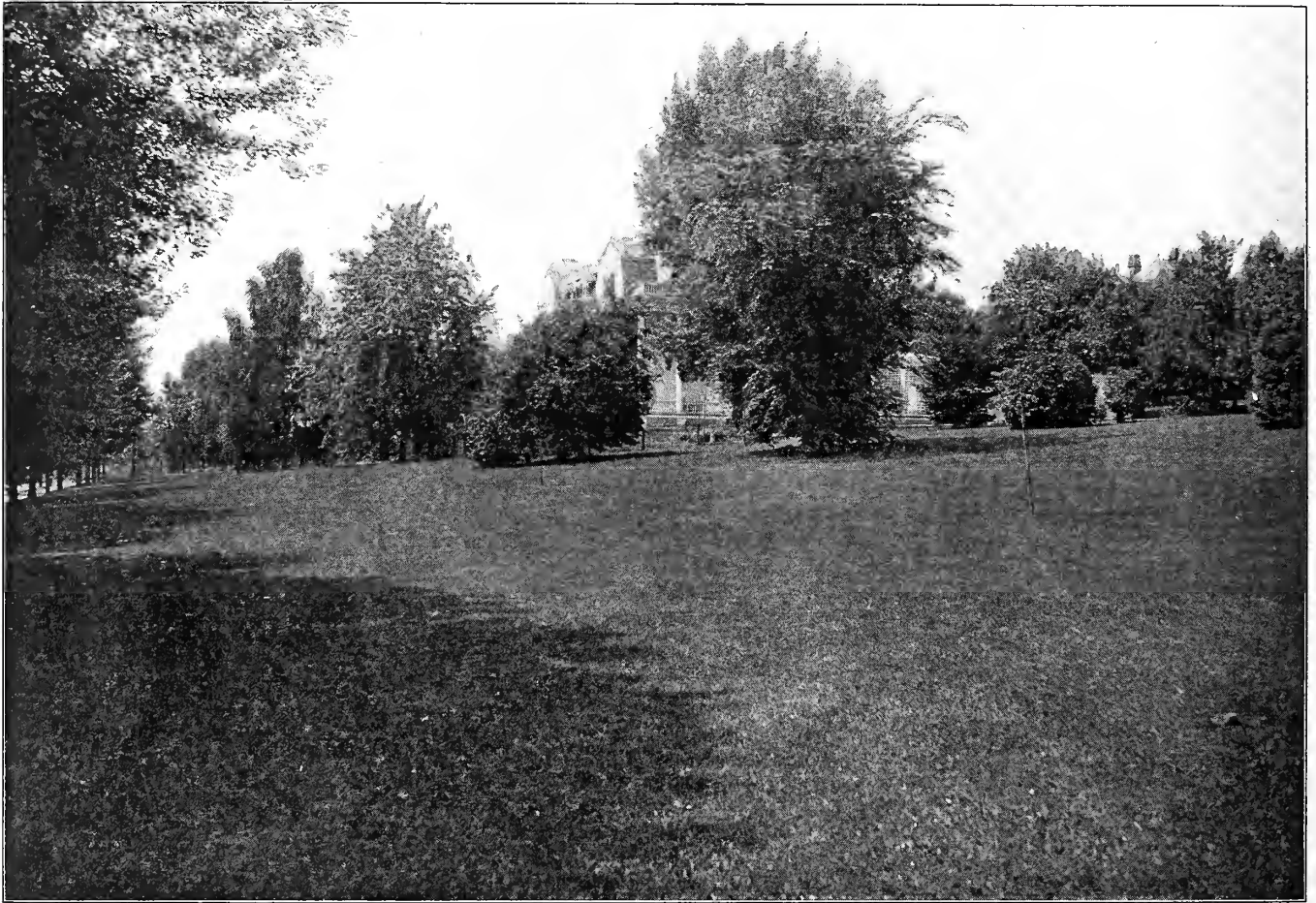
Special Heider Tractor Catalogue sent to any address upon request

Varick's

LAWN GRASS SEED

Produces Quickly after Sowing a Luxuriant, Velvety
Growth of Rich Verdure

*Eventually a Firm, Durable Sward, Which with Proper
Care Will Last Indefinitely*



The above photograph was taken by Ulric Bourgeois of the Photographic Department of the John B. Varick Co. (Commercial Photography a Specialty) of one of the many beautiful lawns for which Manchester is noted. This lawn was sown exclusively with Varick's Reliable Lawn Grass Seed.

VARICK'S LAWN GRASS SEED is composed exclusively of the best reclaimed seeds of the choicest fine-bladed grasses, to which is added a suitable quantity of white clover, but not too much. This heavy, reclaimed seed, free from chaff, is much stronger in vitality than usual grades. A given measured quantity will produce three to four times as many grass plants, besides making a stronger and quicker growth. Price:—

In cartons containing one pint of Lawn Grass Seed	10 cents
" " " " quart " " " "	20 "
Per pound	25 "
10 to 20 pound quantities	22 cents per pound
20 pounds and over	21 " " "

A quart will sow about 250 square feet; a pound about 300 square feet.

JOHN B. VARICK COMPANY

MANCHESTER, NEW HAMPSHIRE

Field, Garden and Flower Seeds

Agricultural Tools and Implements

Farm Machinery, Dairy and Poultry Supplies